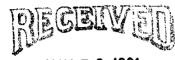


May 29, 1991



MAY 3 0 1991

DIVISION OF OIL GAS & MINING

VIA AIRBORNE EXPRESS

STATE OF UTAH NATURAL RESOURCES OIL, GAS & MINING 355 W. NORTH TEMPLE, 3 TRIAD CENTRE, STE.#350 SALT LAKE CITY, UTAH 84180-1203

Attention: Mr. R. J. Firth

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1

SEC.28-T25S-R19E GRAND COUNTY, UTAH

Dear Mr. Firth:

Columbia Gas Development Corporation respectfully submits two copies of the Bureau of Land Management Application for Permit to Drill along with the following attachments for approval:

- 1) Eight Point Drilling Program
- 2) Multi-Point Surface Use Plan
- 3) BOPE Diagram
- 4) Certified Surveyor's plat, cut & fill sheet & Area Topog.
- 5) Letter of Certification

If you have any questions, or require any additional information, do not hesitate to contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

AAR Encl. Form 3160-3 (November 1983) (formerly 9-331C)

UNITED STATES reverse side)

SUBMIT IN TRIPLICATES (Other instructions on

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

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23.		PROPOSED CARING AN	I) CEMENTING PROOR	A M		
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	' 5 1/2"	' 20"	10070	'(Prod	luction liner)	

MAY 3 0 1991

See attached for additional supplemental info.:

- Eight Point Drilling Program 1)
- 2) Multi-Point Surface Use Plan
- BOPE Diagram 3)
- Certified surveyor's plat, cut & fill sheets 4) & Area Topog.

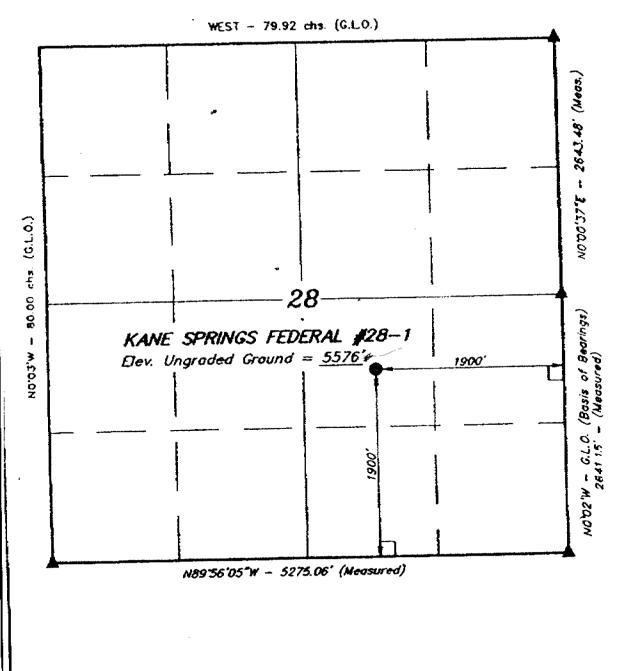
DIVISION OF OIL GAS & MINING

Letter of certification 5)

IN AROUS AFACE DESCRIBE PROPOSED PROGRAM : If proposed in anny. If progress is to drift or deepen directionally, give pertinent data on aubaurface locations and measured and true vertical depths. Give blowaut

BIGNED Rother	Superintendent Moab Areas 5/23/91
(This space for Pederal or State office use)	
PERMIT NO. 43-019-31305	APPROVED BY THE STATE
	OF UTAH DIVISION OF OIL, GAS, AND MINING
APPROVED NY CONSTROND OF APPROVAL, SP ANY 1	DATE: 9/10/9
	BY: FAMatthews
	*See Instructions On Reverse Side WELL SPACING: 6/5-2-3

T25S. R19E. S.L.B.&M.



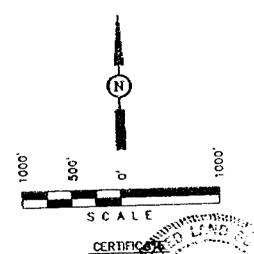
A = SECTION CORNERS LOCATED. (Brass Caps)

COLUMBIA GAS DEVELOPMENT CURF.

Well location, KANE SPRINGS FEDERAL #28-1, located as shown in the NW 1/4 SE 1/4 of Section 28, T25S, R19E, S.L.B.&M. Grand County, Utah.

BASIS OF ELEVATION

THE KNOLL TRIANGULATION STATION LOCATED IN SECTION 11, 126S, R19E, S.L.B.&M. TAKEN FROM THE KNOLL QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6316 FEFT.



THIS IS TO CERTIFY THAT THE ABOVE PHAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY HE OR LANDER HOT
SUPERVISION AND THAT THE SAME HOT TRUE OR CONSECUT TO THE
BEST OF MY KNOWLEDGE AND BELLET.

REGISTERED LAND SURVEYOR HEOSTRADON NO. 5709

REVISED: 5-22-91 R.E.H.

Unitah Engineering & Land Surveying 85 SOUTH 200 BAST - VERNAL UTAH 84078

	(801)	18 9-1017
SCALE 1" = 1000'		DATE 5-17-91
PARTY J.T.K. B.D.	т.D.H.	RETERENCES G.L.O. PLAT
WEATHER WARM	· · · · · · · · · · · · · · · · · · ·	FILE COLUMBIA GAS DEV. CORP.

EIGHT-POINT DRILLING PROGRAM

COMPANY:

COLUMBIA GAS DEVELOPMENT CORPORATION

WELL NAME:

KANE SPRINGS FEDERAL #28-1

LOCATION:

1900' FSL & 1900' FEL OF SEC. 28, T25S,R19E

GRAND COUNTY, UTAH

ONSITE INSPECTION DATE:

May 21, 1991

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulation (43 CFR 3100), Onshore Oil & Gas Order No.1, and the approved plan of operations. A copy of these conditions will be furnished to the field representative to insure compliance.

A. DRILLING PROGRAM

1. Estimated Geologic Markers

Formation Tops	Depth	Subsea	RKB=26
Wingate	Surface	+5576	
Chinle	472	+5130	
Moenkopi	852	+4750	
Cutler	1352	+4250	
Rico	2132	+3470	
Hermosa	2592	+3010	
Paradox Salt	4382	+1220	
Cane Creek	7327	+1725	

2. <u>Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals</u>

Formation Tops	Depth	Subsea	Remarks
Wingate	Surface	+5576	Fresh water
Cane Creek	7327	+1725	Oil

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected.

3. <u>Operator's Minimum Specification for Pressure Control Equipment</u>

The Moab District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing of BOPE.

A rotating head and blooey line will be rigged up on the conductor and surface pipe. See Exhibit C-1.

One (1) 2000 psi annular bag-type preventer will be utilized while drilling the surface hole.

One (1) annular bag-type and three (3) ram-type preventers will be utilized while drilling below the intermediate pipe. Ram preventers are to be tested to seventy percent (70%) of working pressure, or seventy percent (70%) of burst rating of intermediate pipe, whichever is less. Annular preventer is to be tested to fifty percent (50%) of working pressure - See exhibits C-2.

Choke Manifold will meet or exceed the requirements of the typical 5M manifold as in Onshore Order #2. See Exhibit C-3.

All BOPE and testing procedures will be consistent with API RP-53 and will be conducted before drilling out casing shoe. Preventers will be inspected and operated at least once daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report.

4. Casing Program and Auxiliary Equipment

The Moab District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

Surface pipe:

INTERVAL 0-530'	SIZE 20"	WT 94#	GR H40	CONN STC	BURST/SF	COL/SF
		π	1140	STC	1530/6.9	581M#/9 3

Set 50' into the Chinle. Cemented to Surface with 520sx Class B.

Intermediate Pipe:

O-4500'	SIZE	WT	GR	CONN	BURST/SF	COL/SF
	13-3/8"	61#	K55	STC	3090/1.14	1540/1.55
					•	T - T - D - D - D - D - D - D - D - D -

TENSION/SF 633M/2.30

Cemented with 265sx lightweight plus 415sx Class B, with estimated top of cement at 3500'. Pressure test to 2160 psi before drilling

out shoe.

Collapse design baseed on .22 psi/ft gradient. Burst design based on shoe test of 13.5 ppge less .1 psi/ft gradient.

Production Pipe:

INTERVAL	SIZE	WT	GR	CONN	BURST/SF	COL/SF
0-7450'	9-5/8"	53	S95	LTC	9410/1.92	8850/1.2
		•	393	LTC	9410/1.92	8850/1.2

TENSION/SF 1235M/2.29

Cement w/1400 sx Class "G", with estimated top of cement at 4100'. Pressure test to 5000 psi before drilling out shoe.

Collapse design based on 1.0 psi/ft overburden gradient. based on max. mud weight in offset wells (17.0 ppg) less .22 psi/ft

Production Liner:

INTERVAL	SIZE	WT	GR	CONN	BURST/SF	COL/SF
7000-10070	5-1/2	20	S95	BTC	10680/NA	10680/1.43

TENSION/SF 554M/9.02

Auxilliary Equipment:

- A. A Kelly cock will be kept in the string at all times.
- A stabbing valve will be kept on the derrick floor at
- A float will not be used, other than when air drilling. C.

Proposed Mud Program

No chromates will be used in the well.

DEPTH 0-530' 530-4500' 4500-7300 7300-7330 7330-7367	TVD 9.6-12 5	VIS 42-46 42-46 54-57	PV 18 18	YP 21 21	WL <10 <10	TYPE MUD Air/Mist Air/Mist Oil Base Oil Base
	= 20,5	54-57	35	21	<4	Oil Base

6. Coring, Logging & Testing Program

- A. Drill Stem Tests: None planned.
- B. Well Logging & Intervals:

LOG tion/Sonic/G

Induction/Sonic/GR MWD-Induction/GR INTERVAL

4500-6917 TVD

will be attemped in the horizontal section

(6917-10070 MD,7367TVD)

- C. Cores: A 30' oriented core will be attemped in the Cane Creek formation.
- D. Directional Surveys: This well as proposed will be drilled vertically to 6917' and then drilled as a medium radius horizontal well in the direction of N 16 W for a total displacement of 2912'. Inclination tests will be taken at 500' and 1000' max. intervals until KOP. At KOP a multi-shot will be taken. During the angle build portion, surveys will be taken at 90' maximum intervals. During the horizontal portion of the hole, surveys will be taken at 200' maximum intervals.
- E. Samples: samples will be taken at 10' intervals from 4500' to TD.
- F. There will be a mud logger on location from 4500' (below intermediate pipe) to TD.
- G. Completion Procedure: To be submitted on Form 5 under "Approval of Subsequent Operations."

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and complied during the drilling, workover, and/or completion operations will be filed with Form 3160-4.

7. <u>Anticipated Abnormal Pressures, Temperatures or</u> Potential Hazards

A. Abnormal pressure is anticipated in the Cane Creek formation. The proposed casing program and pressure control equipment has been designed based on the anticipated abnormal pressures of the Cane Creek formation.

B. Hydrogen Sulfide is not anticipated.

8. Notification of Operations & Other Information

- A. Construction of Location is scheduled to start on July 11, 1991.
- B. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from well to be placed in a suspended status without prior approval of the AO.
- C. Spud date is scheduled for July 25th, 1991. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or a holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- D. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revisions.
- E. If replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Notification will be made no later than five (5) days following the date on which the well is placed on production.

Venting/Flaring of gas during initial well evaluation tests will not exceed a period of thirty days or the production of 50 MMCF of gas, whichever occurs first. An application will be filed with the District Engineer and approval received, for any Venting or Flaring beyond the initial 30 day authorized test period.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" will be filed with the AO within 30 days following completion of the well for abandonment operations.

There will be no deviation from the proposed drilling and/or workover program without prior approval of the AO. Safe drilling and operating practices will be observed.

This well, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM OF THE APPLICATION FOR PERMIT TO DRILL

COMPANY ;

WELL NAME & NUMBER:

LEASE NO.: LOCATION:

SURFACE OWNERSHIP:

Columbia Gas Development Corporation

Kane Springs Federal #28-1

SL: USA-50678, BH: U48351 NW/4 SE/4 Sec. 28, T25S, R19E

Bureau of Land Management

NOTIFICATION REQUIREMENTS

Notify Elmer Duncan of the Grand Resource Area, at (801)259-8193 for the following:

- 2 days prior to commencement of dirt work, construction or reclamation;
- 1 day prior to spudding;
- 1 day prior to running and cementing surface casing;
- 1 day prior to pressure testing of surface casing.

Notify the Moab District Office, Branch of Fluid Minerals at (801)259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Minerala Division. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer Office: (801)259-6111

Home: (801)259-6239

Eric Jones, Petroleum Engineer Office: (801)259-6111

Home: (801)259-2214

If unable to reach the above individuals including weekends, holidays or after hours please call the following:

Lynn Jackson,

Chief, Branch of Fluid Minerals Office: (801)259-6111

Home: (801)259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

ONSITE DATE: May 21, 1991

THIRTEEN PUINT SURFACE USE PROGRAM

MULTIPOINT REQUIREMENTS TO ACCOMPANY APD

1. EXISTING ROADS

- A. Existing road and location in relation to location submitted on Map "A" and Map "B".
- B. From Moab, Utah:

Travel North on Hwy 191 for 11 miles. Turn left on Hwy 313 and go 10.5 miles to existing dirt road on right. Turn right onto existing dirt road and go 0.8 mile to location.

C. Description of roads in area: All weather asphalt & dirt road (two wheel jeep road).

2. PLANNED ACCESS ROADS

- A. Length: Approx. 0.8 mile of existing dirt road.
- B. Width: Upgrade to eighteen foot (18') running surface.
- C. Maximum Grades: 8%
- D. Turnouts: Do not anticipate any turnouts.
- E. Drainage Design: There will be minimum disturbance during drilling phase. If the well is a producer upgrading will be done as required.
- F. Location and size of culverts and/or bridges, and brief description of any major cuts and fills: None
- G. Surface Material Source: Native materials
- H. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities: None
- I. Notification will be given to the Bureau of Land Management, District Office, with sufficient lead time, prior to the construction of access road, and drill pad.

Access and location under the jurisdiction of the Bureau of Land Management.

J. Columbia Gas Development Corporation will provide Dirt Contractor with necessary maps, pad and road construction plans.

3. LOCATION OF EXISTING WELL

With-in a one mile radius of this proposed well there is one completed well.

Kane Springs Federal #27-1 Sec.27 - T25S - R19E Grand County, Moab.

With-in a one mile radius of this proposed well there are no known:

water wells, abandoned wells, disposal wells, injection wells, monitoring wells nor drilling wells.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

Notification will be given to the Bureau of Land Management, District Office, with sufficient lead time, prior to construction of production facilities.

- A. If well is productive, new on-well pad facilities and lines will be submitted as "as built" under the following guidelines:
 - Tank battery and/or location will be surrounded by a dike of sufficient capacity to contain the contents of the largest vessel within the dike plus one day's production.
 - 2. Facilities will be placed in cut as much as possible.
 - 3. A wind-sock will be placed on the Tank battery so it is visible from all parts of the location.
 - 4. All internal combustion engines associated with production facilities will be equipped with noise reducing mufflers.
 - 5. All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat non-reflective, earthtone color to match one of the standard environmental colors as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with O.S.H.A. will be excluded.
 - 6. Fire prevention and suppression requirements for operations on Federal lands will be followed as per Bureau of Land Management guidelines.
 - 7. No permanent above ground pipelines will be installed

between the wellhead and treater or between the treater and flare pit.

8. All spills (production water or oil) or pipeline breaks outside the diked area will be reported within the 24 hours to the District office.

5. LOCATION AND TYPE OF WATER SUPPLY

The necessary permits will be obtained by the operator from the appropriate State water Rights Division office for the use of water at the drillsite.

Fresh water & salt water will be trucked by a local trucking company.

6. SOURCE OF CONSTRUCTION MATERIALS

No construction materials will be used other than native materials. Soil from cuts will be used in fills. No outside materials will be brought in.

7. METHODS FOR HANDLING WASTE DISPOSAL

- A. Methods and location of proposed safe containment and disposal of each type of waste material:
 - 1. Cuttings will be deposited in the reserve pit.
 - Prilling fluids will be confined to mud tanks and reserve pit if necessary. At rig release, mud will be returned to supplier for storage.
 - 3. Produced water: While testing the well, all produced water will be contained in a storage tank. If well is a producer, a saltwater storage tank will be in
 - 4. Sewage will be disposed of according to county and state requirements in a portable chemical toilet, holding tank system or in a hole at least 15 deep excavated in the cut portion of the well pad.
 - 5. Fortable dumpsters will be used for all trash. All trash will be hauled offsite.
- B. The Reserve pit shall be constructed so as not to leak, break, or allow discharge. The Reserve pit shall not be lined unless post construction inspection indicates a need to do so.

C. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the ninety day period, in accordance with NTL-2B, an application for approval of permanent disposal method and location, along with required water analysis, shall be submitted for the authorized officer's approval.

8. ANCILLARY FACILITIES

No camp, airstrip or other facility will be built during the drilling of this well.

9. WELL SITE LAYOUT

A. See attachment for the Location Layout showing the following: Substructure, Engine, Mud pumps, Mud tanks, Diesel tank, Water Tank, Light plant, Dog house, Bunk house, Pipe racks, Catwalk, Mud mixer, Change house, Trailers, Trash bin, parts house, and air eqiupment.

Also attached is a cross section diagram showing cuts & fills in relation to existing topography.

The location will be constructed large enough to accomodate the drilling rig and associated equipment with allowance made for future completion and production equipment.

No topsoil stripping will be done when soils are moisture saturated to a depth of 3 inches, or frozen below stripping depth.

- B. Fencing requirements All pits will be fenced according to the following minimum standards:
 - 1. 30-inch net wire shall be used with at least one strand of barbed wire on top of the net wire.
 - 2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of fence shall be 42-inches.
 - Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
 - 5. All wire shall be stretched, by using a stretch-

ing device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

10. PLANS FOR RESTORATION OF SURFACE

A. Producing location

- Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- 2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1
- 3. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within ninety (90) days from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.
- 4. Seed mixtures to be used in rehabilitation will be provided by the BLM District Office. Seed mixtures will be certified weed free and seeding will be accomplished August 1 and March 30. Seed tags will be submitted to the area manager within 30 days of seeding.
- 5. Site rehabilitation will be completed within six (6) months, weather permitting. Before any production facilities are constructed, a site reclamation plan will be submitted to the District Office for all areas not required for production facilities.

B. Dry Hole/Abandoned Location

- 1. At such time as well is plugged and abandoned, the operator shall submit a subsequent report of abandonmen
- The location will be rehabilitated within six (6) months, weather permitting, from the date

the well is plugged.

11. SURFACE OWNERSHIP

Surface location and access roads are owned by the United Stated of America under jurisdiction of the Bureau of Land Management.

12. OTHER INFURMATION

- The operator is responsible for informing all Α. persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archeological sites, or for collecting artifacts. If historic archeological materials are uncovered during construction, the operator will immediately stop work that may further disturb such materials and contact the authorized officer, Columbia Development Corporation will comply with the requirements set forth by the BLM Surface Use Stipulations.
- B. Columbia Gas Development Corporation has One flundred and Fifty Thousand (\$150,000.00) dollar Nationwide Bond.
- C. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.
- D. There will be no deviation from the proposed drilling program without prior approval from the District.
- E. Sundry Notice and Report on wells (Form 3160-5) will be filed for approval of all changes of plans and other operations in accordance with 43 CFR 3164.

- F. Environmental and Environmental Impacts.
 - 1. Setting is approximately 15 air miles west of Moab, Utah, 8.5 miles NW of Deadhorse Point State Park, and 7 miles N of Canyonlands National Park.
 - Surface disturbance will be approximately 2.3 2. acres during the drilling phase and approximately Lhe 1.0 acre in The affected completion/production phase. area has an estimated vegetation coverage of The topsoil will be replaced during abandoned procedures and reseeded. Surface impact will be temporary with no residual impacts. The surface location was moved as a result of the onsite meeting to reduce the amount of surface disturbance.
 - 3. Visual impacts will be limited to the drilling phase. The top section of the derrick will be visible from Hwy 313 for approximately 50 days.
 - 4. Audible impacts will be the greatest during the drilling and completion phases. Engine noise will be noticeable up to 3/4 mile during the drilling operations (estimated 50 days) and a 1/4 mile during the completion operations (estimated 10 days).
 - 5. Particulate impacts will be temporary and local if dry soil conditions exists during construction and heavy traffic periods. Fugitive dust will be controlled by watering the road as necessary during pad construction and periods of heavy traffic.
 - 6. Recreation impacts are anticipated to be minimal. There will be approximately 44 truckloads of equipment to move the drilling rig in and the same numbers to move the rig out some 50 plus days later. Anticipated increased traffic other than moving the rig

is 10-15 more vehicles per day during the drilling phase and 5-10 more vehicles per day during the completion phase. Increased traffic in the production phase will be one auto per day and three truckloads until a pipeline is installed. Other than some minimal increased traffic, recreation impacts would be limited to the occasional hiker or biker.

13. LESSEE'S OR OPERATOR REPRESENTATIVE AND CERTIFICATION

Columbia Gas Development Corporation P. O. Box 1350
Houston, Texas 77251-1350
713/871-3400

All lease and /or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

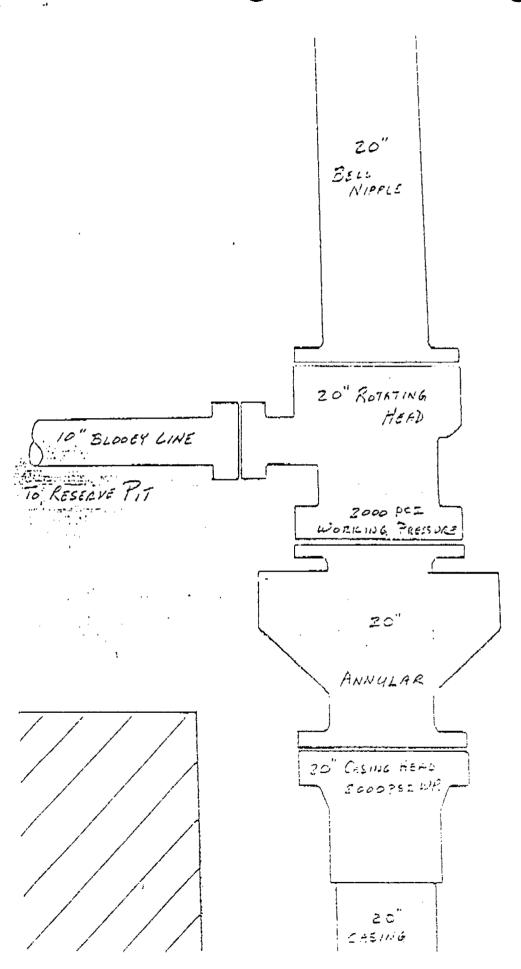
CERTIFICATION

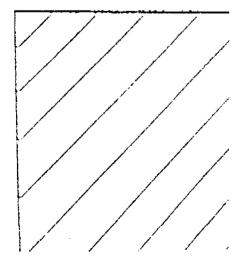
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by columbia Gas Development Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

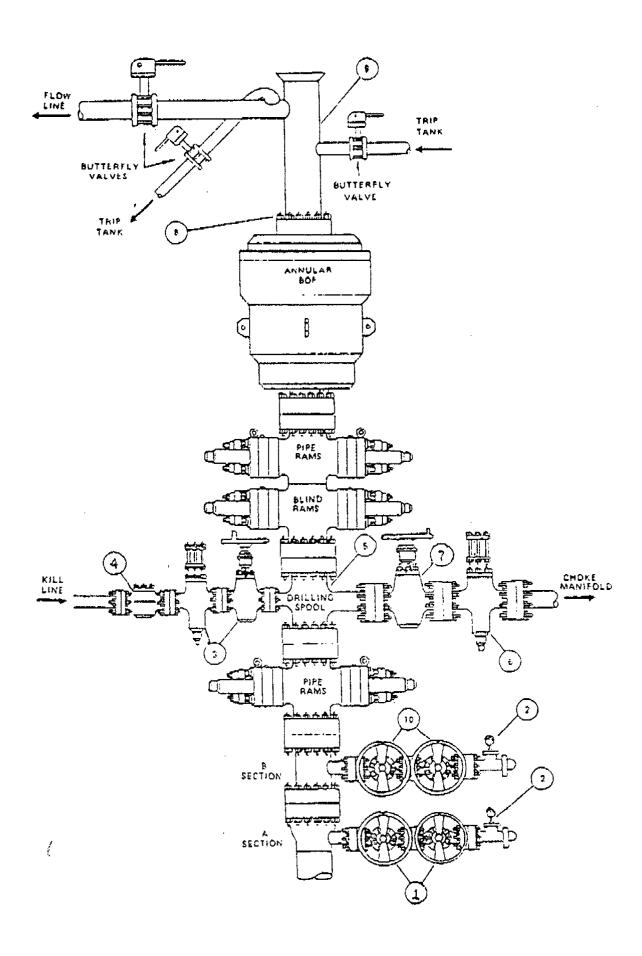
Date: 5/23/9/

R. F. Pier, Superintendent, Moab Area

EXHIBIT C-1







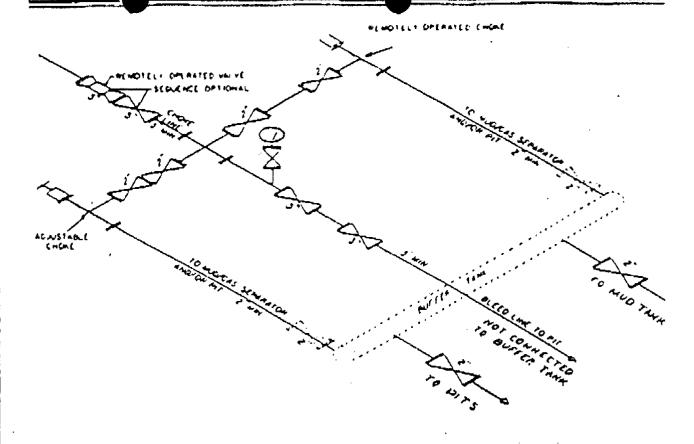
COMPONENT SPECIFICATIONS

- 1 Screwed or flanged plug or gate valves 2" minimum nominal dia. same working pressure as "A" section.
- 2. Tee with tapped puliplug, needle valve, and pressure gauge
- 3. Flanged plug or gate valve 2" minimum nominal dia same working pressure as BOP stack. Second valve up stream may be hydraulically controlled.
- 4. Flanged flapper type check valve 2" minimum nominal dia. sarrie working pressure as BOP stack.
- Drilling spool of sufficient height to allow stripping with 2 flanged side outlets 3" choke and 2" kill line minimum nominal dia. (See Table II-4 and Note D.)
- 6. Flanged hydraulically controlled gate valve 3" minimum nominal dia same working pressure as BOP stack. (See Note D.)
- 7. Flanged plug or gate valve 3" minimum nominal dia. same working pressure as BOP stack.
- 8. Top of annular preventer must be equipped with an API flange ring gasket. All flange study must be in place or holes filled in with screw type plugs.
- 9. The I.D. of the bell nipple must not be less than the minimum I.D. of the BOP stack.
- 10. Flanged plug or gate valve 2" minimum nominal dia. same working pressure as "B" section.

NOTE:

The choke line between the drilling spool and choke manifold should not contain any bend or turn in the pipe body. Any bend or turn required should be made with a running tee with a blind flange or welded bullplug. All connections should be flanged or welded. All fabrications requiring welding must be done by a certified welder. Welds should be stress relieved when required.

Plug valves should be equivalent to the Howco Lo-Torc and gate valves equivalent to the Cameron Type 'F'.



5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION MAY VARY

Aimough not required for only of the chose monifold systems. Duffer tonks are sometimes installed downstream of the chose assembles for the purpose of monifolding ms bleed lines together. When buffer tonks are employed, volves shall be installed spatreom to isolate a failure or molfunction without interpropring from control. Though has shown on 2M, 3M, DM, or 15M drawings, it would also be applicable to those situations.

(FR Doc. 88-26736 Filed 11-17-86: 8:45 am)



May 17, 1991

BUREAU OF LAND MANAGEMENT Grand Resource Area Office 88 S. Sand Flats Road Moab, Utah 84532

RE: COLUMBIA GAS DEVELOPMENT CORPORATION LETTER OF CERTIFICATION

Columbia Gas Development Corporation hereby certifies that it is the operator of the following wells:

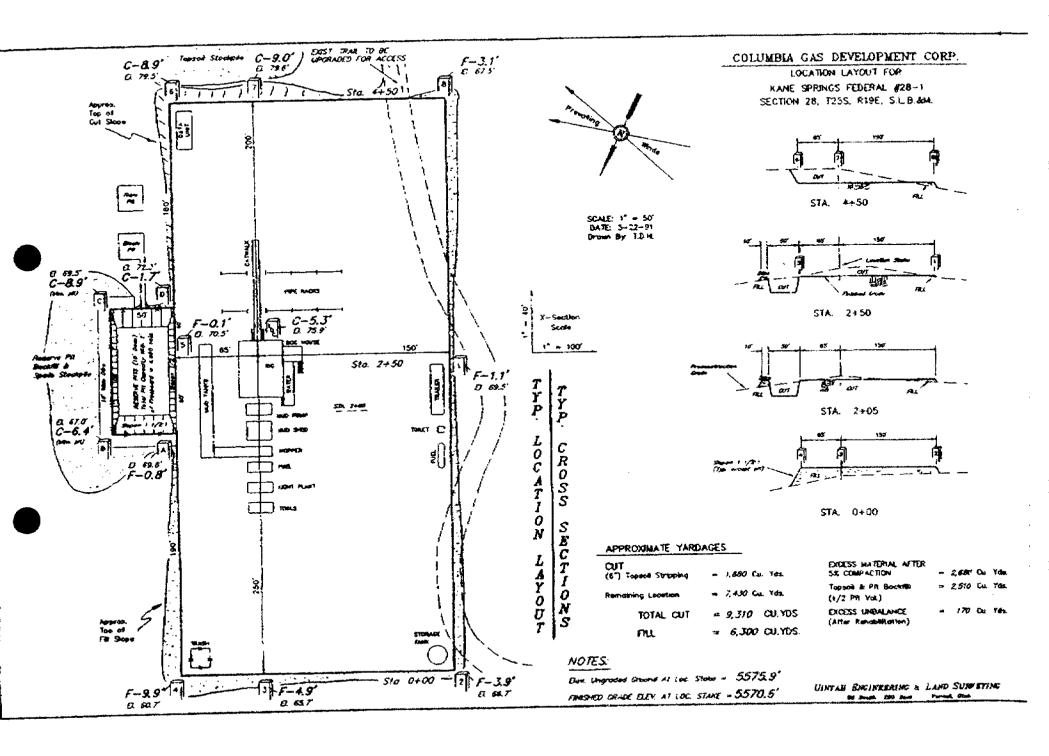
Kane Springs Federal #28-1 Kane Springs Federal #14-1 Kane Springs Federal #20-1 Kane Springs Federal #10-1

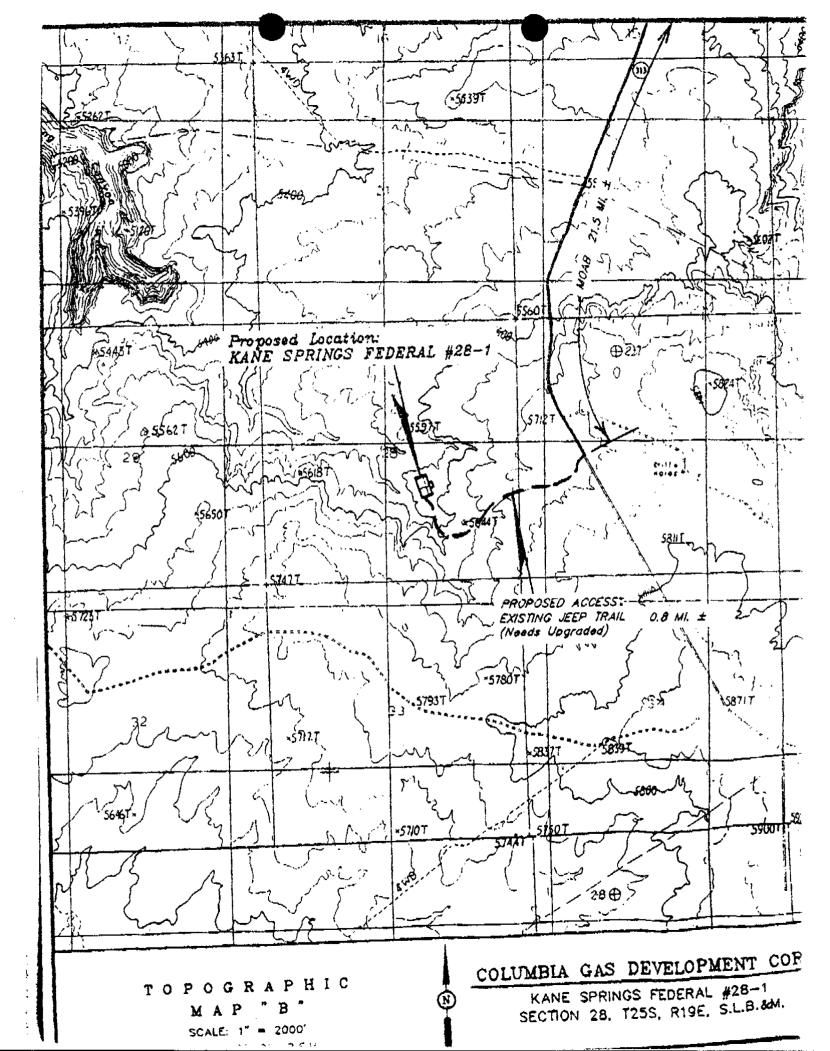
Columbia Gas Development Corporation shall be responsible for complying with the terms and conditions of the lease for all the operations conducted on the leased land.

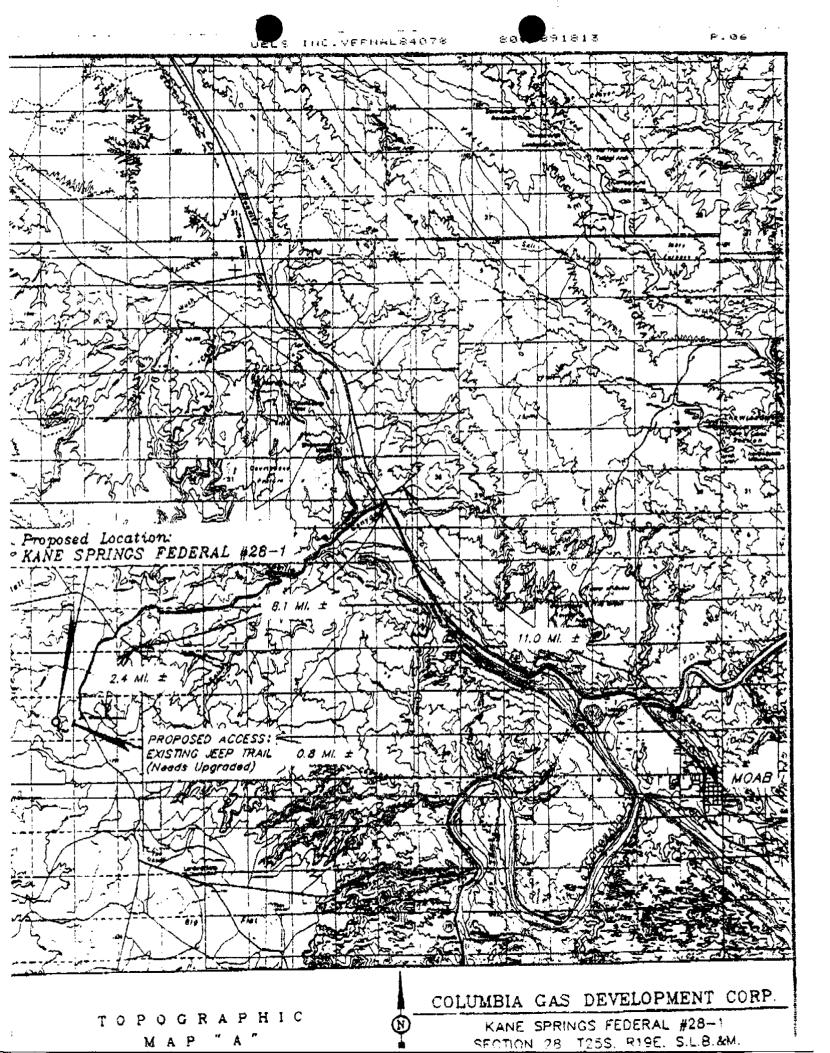
Signed this 1711 day of May, 1991.

Leslie M. Moor, Jr.

Vice President, Drilling & Production







	ovember 1983) ormerly 9-331) DEPARTMENT OF THE INTERIOR verse side)	5. LEASE DESIGNATION AND SECULAR NO. \$fc.USA50678 BHL-U4835
	BUREAU AND MANAGEMENT	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	SUNDRY NOTICES AND REPORTS ON WELLS (130 not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	N/A
1.		7. UNIT AGREEMENT NAME
	WELL CAB OTHER	Kane Springs Federal
2.	NAME OF OPERATOR	8. FARM OR LEASE NAME Unit
	Columbia Gas Development Corp. 713/871-3400	Kane Springs Federal
3.	P. O. BOX 1350 Hou., TX. 77251-1350	9, WELL NO.
4.	LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)	#28-1
	See also space 17 below.) At surface	Wildcat
	0011=	
	1900 FSL & 1900 FEL of Sec.28-T25S-R19E CUNFIDEN	THE SEC. T. R. S. OR BLK. AND SURVEY OF AREA C. 28-T25S-R19E
14.	PERMIT NO. 16. ELEVATIONS (Show whether DF, KT, GR, etc.)	12. COUNTY OR PARISE 15. STATE
	NA Ground 5576 RKB=5602	Grand Utah
 16.		
10.	Check Appropriate box to indicate (Adulte of Motice, Report, o	r Other Data
	NOTICE OF INTENTION TO:	EEQUENT REPORT OF;
	TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
	FRACTURE TREATMENT NULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CABING
	ADAMOON ON ACIDIZE ADAMOON BEOOTING ON ACIDIZING	ABANDONMENT*
	REPAIR WELL CHANGE PLANS (Other) Revision	n to APD ults of multiple completion on Well
 -	Other) Completion or Reco	mpletion Report and Log form.)
	PLEASE NOTE, A 5M CHOKE MANIFOLD WILL BE US 3M MANIFOLD AS STATED IN THE APD RECENTLY S	
•	JUN 0 7 1991	
	DIVISION OF	
	OIL GAS & MINING APP	PROVED BY THE STATE
	O	F UTAH DIVISION OF
•		IL, GAS, AND MINING
	DATE:	4/10/9/
	The second	MI JAHANIS
18.	I hereby certify that the foregoing is true and correct	
1	SIGNED (LILL). KUS Regulatory Clerk	DATE 6/5/91
	(This space for Federal or State office use)	
	APPROVED BY TITLE	DATE
(CONDITIONS OF APPROVAL, IF ANY:	

*See Instructions on Reverse Side

COLUMBIA GAS DEVELOPMENT TYPICAL RIG LAYOUT 215' KANE SPRINGS FIELD SCALE 1" = 50'PIPE RACKS (STORAGE) REVISED: 6-17-91 R.E.H. DERIK 200 FLARE PIT PIPE RACKS PIPE RACKS BLOOIE PIT 50' 65' 150' SZE SSE 7XXK PUMP HOUSE WATER TANK 500 BBLS JSNOH JIMA SHAKER PILL PIT SLOPE: 1 1/2:1 SUCTION TANK KOOMEY HOUSE MIXING TANK NO 3 MOTOR No 1 MOTOR S.C.R. HOUSE MUD STORAGE TRAILER

TRASH

DATE: 8-13-91 MDA

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 Bast Vernal, Utah

SEC AWSE ON T 035 R 19E COUNTY SLAND 13-019-31305 API NUMBER CONFIDENTIAL BOND NEAREST WELL FIELD SLAM OTL SHALE	OPERATOR Columbia Jas Dullop N-5035 DATE 6-11-91	•
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	3. Reserve get will be flagged & greent birduse	•



June 20, 1991

STATE OF UTAH NATURAL RESOURCES OIL, GAS & MINING 355 W. NORTH TEMPLE, 3 TRIAD CTR., STE.#350 SALT LAKE CITY, UTAH 84180-1203

Attention: Mr. R. J. Firth

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1

SEC.28-T258-R19E GRAND COUNTY, UTAH

Dear Mr. Firth:

Please find enclosed two copies of the Sundry Notice filed with the BLM regarding a reduction in size of the pad layout at the above proposed location.

The revision is to accomodate the archeological sites discovered at the location during the survey.

If you have any questions, or require any additional information contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

AAR Encl.

JUN 2 4 1991

DIVISION OF OIL GAS & MINING

BUREAU OF LAND MANAGEMENT	USA50678 BHL U-48351
SUNDRY NOTICE AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Iso not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	N/A
). OIL (C) CAS (T)	7. UNIT AGREEMENT NAME
WELL X WELL OTHER	Kane Springs Fed. Unit
2. NAME OF OPERATOR	Kane Springs Federal
Columbia Gas Development Corporation 713/871-3400	S. WELL NO.
	#28-1
P. O. Box 1350 Hou., TX. 77251-1350 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.' See also space 17 below.) At surface	Wildcat
1900' FSL & 1900' FEL of Sec.28-T25S-R19E	11. SEC., T., E., M., OR BLE. AND SURVEY OF ARMA Sec. 28-T25S-R19E
14. PERMIT NO. 1L. ELEVATIONS (Show whether Dr. RT. GR. etc.)	12. COUNTY OR PARISH 18. STATE
NA Ground 5576	Grand Utah
Check Appropriate Box To Indicate Nature of Notice, Report, or	Other Data
	EQUENT ERPORT OF:
TEST WATER SHUT-OFF FULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
PRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CARING
EHOOT OR ACIDIZE ABANDON" BEOOTING OR ACIDIZING	ABANDONHENT*
	of Pad Layout
(Other) Completion of Recoil To DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly State all pertinent details, and give pertinent data	its of multiple completion on Well apletion Report and Log form.)
CONFIDENTIAL Attached are four copies of the revised for the captioned location.	· · · · · · · · · · · · · ·
The Pad layout was reduced to accomodate sites discovered during the survey.	e archeological
O' VIAH DIVISION	5 11 V (5 1) 2 4 1991
	ION OF & MINING
SIGNED Aline A Reese Regulatory Clerk	DATE 6/20/91
(This apace for Federal or State office use)	- · · · · · · · · · · · · · · · · · · ·
APPROVED BY TITLE TITLE	DATE

*See Instructions on Reverse Side

VIA AIRBORNE EXPRESS

June 24, 1991

BIE CONTRACTOR

JUN 2 5 1991

DIVISION OF OIL GAS & MINING

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE

82 E. DOGWOOD MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 KANE SPRINGS STATE #36-1

SEC.28-T258-R19E SEC.36-T258-R19E GRAND COUNTY, UTAH GRAND COUNTY, UTAH

Dear Mr. Manchester:

Enclosed please find four copies each of the revised rig layout and cut & fill data for the above referenced locations to replace the data submitted with the APD.

If you have any questions, or require any additional information do not hesitate to contact me at 713/871-3482.

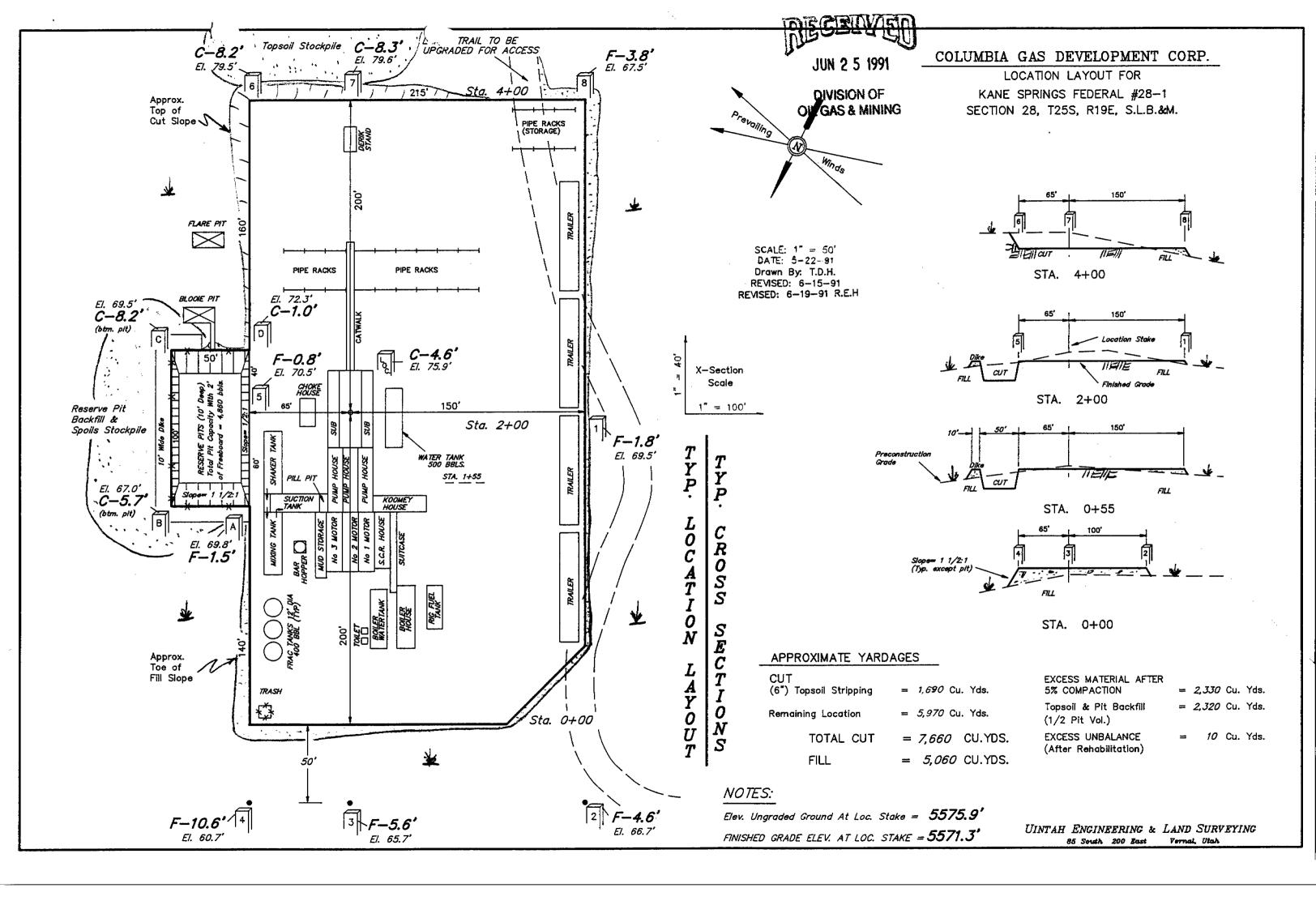
Sincerely,

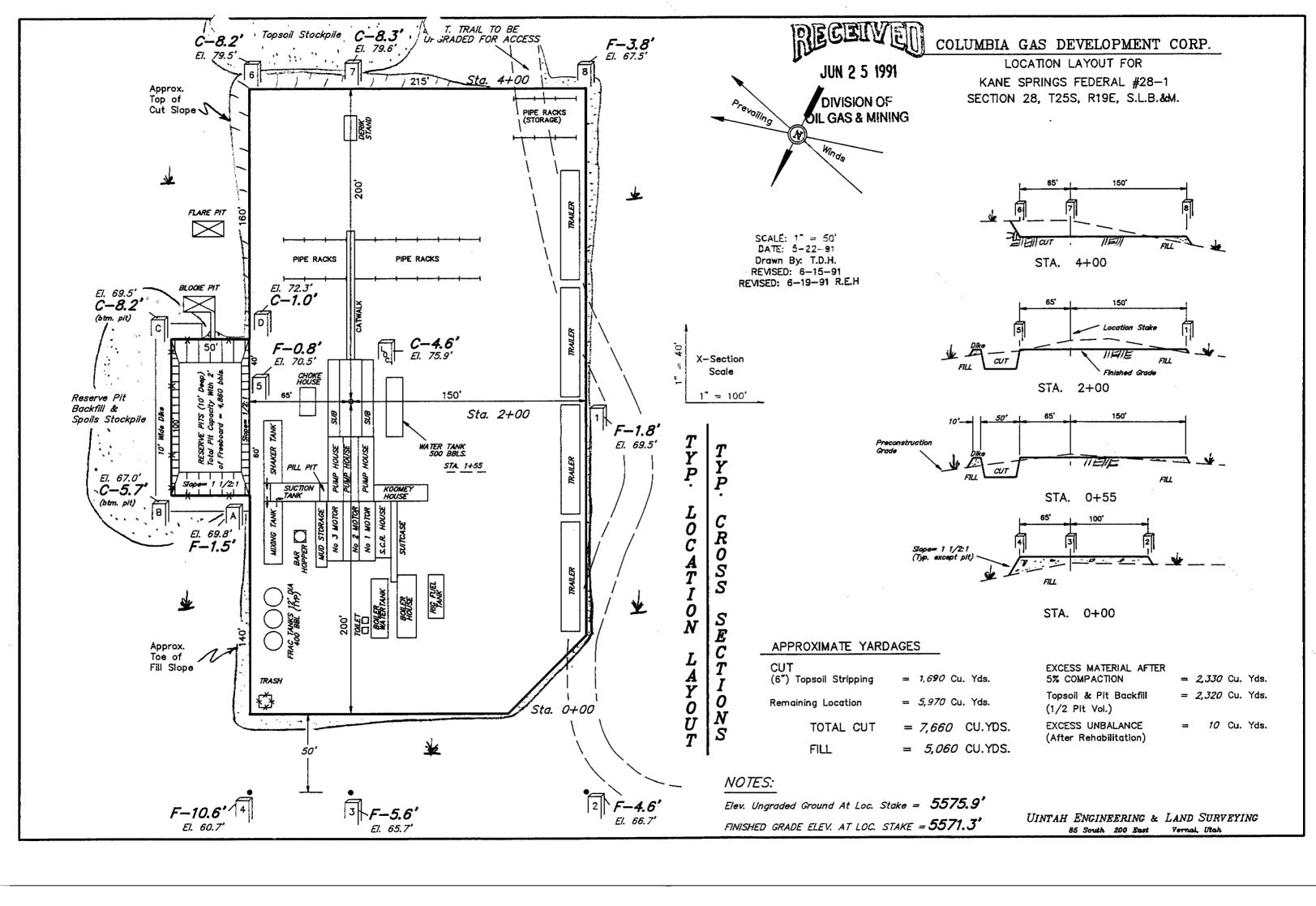
COLUMBIA GAS DEVELOPMENT CORPCIONFIDENTIAL

Aline A. Reese Regulatory Clerk

AAR Encl.

cc: State of Utah Natural Resources Oil, Gas & Mining Mr. R. J. Firth







DIVISION OF WILDLIFE RESOURCES

Norman H. Bangerter Dee C. Hansen Executive Director Timothy H. Provan
Division Director

801-538-4700
801-538-4709 Fax

1596 West North Temple Salt Lake City, Utah 84116-3195

July 9, 1991

DIVISION OF OIL GAS & MINING

Dr. Dianne R. Nielson, Director Utah Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Kane Springs Federal 28-1 Columbia Gas Sec. 28, T255, R19E

Dear Dianne:

I am responding to a drilling permit request on federal lease U-50678. This item was listed as state action UT910604-060 in the Resource Development Coordinating Committee (RDCC) agenda items. The Division of Wildlife Resources has some specific concerns with this project and its potential impacts to wildlife and wildlife habitat.

Impacts will be associated with short and long-term activities generated by the company. Although the activities associated with just the wildcat well will most likely be for only 30 days, long-term impacts associated with increased access, increased road densities and petroleum products associated with these activities can result in long-term impacts. The species that could potentially be impacted include mule deer, bighorn sheep, reptilian species, waterfowl, passerine birds, and peregrine falcons.

The waste pits associated with the drilling operation create a hazard for birds. Waste pits appear as inviting water holes and the petroleum products they contain can be fatal. should be covered by netting to prevent bird use. Causing the death of waterfowl or passerine birds would be a violation of the Migratory Bird Treaty Act. A peregrine falcon eyerie is located just off Dead Horse Point. These birds likely use the sagebrush White-throated swift, mourning doves, western flats to hunt. meadowlarks and other passerine birds are their primary prey. Impacts that would reduce prey populations will have an effect on the peregrines in this area. Another impact to bird populations occurs when eggs are contaminated by petroleum products. A small amount of petroleum on an egg will cause the death of an embryo.

Another point of concern is the source of water for these wells. If water is obtained by developing springs or depleting available surface water in the project vicinity, then this will impact the local wildlife species. If water is obtained from the Colorado River, the impacts to threatened and endangered Colorado River species must be considered.

Dr. Dianne R. Nielson, Director July 9, 1991 Page 2

Increasing oil and gas development in southeast Utah continues to concern us. Wildlife impacts associated with these activities can be extremely damaging to many species. Of primary concern are the cumulative impacts these activities will have on wildlife habitat and wildlife directly. As this field is developed, cumulative impacts will become more acute. Bighorn sheep use these mesa tops as migratory routes during the fall. Wells located on the mesa tops, and their associated facilities, may create a disruption for the travel corridor. More information will be needed to evaluate the impact to bighorn sheep travel.

We appreciate the opportunity to provide comments. Your personnel should direct any response you have to our concerns to:

Ken Phippen, Habitat Manager Southeastern Region 455 West Railroad Avenue Price, UT 84501 Phone: 637-3310

Sincerely,

Timothy H. Provan

Director

STATE ACTIONS

Mail to: RDCC Coordinator 116 State Capitol Salt Lake City, Utah 84114

1.	ADMINISTERING STATE AGENCY OIL, GAS AND MINING 355 West North Temple 2. STATE APPLICATION IDENTIFIER NUMBER: (assigned by State Clearinghouse)
	3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 3. APPROXIMATE DATE PROJECT WILL START: July 11, 1991
4.	AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS: (to be sent out by agency in block 1) Southeastern Utah Association of Governments
5.	TYPE OF ACTION: /_/ Lease /X/ Permit /_/ License /_/ Land Acquisition /_/ Land Sale /_/ Land Exchange /_/ Other
6.	TITLE OF PROPOSED ACTION: Application for Permit to Drill
7.	DESCRIPTION: Columbia Gas Development Corporation proposes to drill the Kane Springs Federal #28-1 well (wildcat) on federal lease U-50678, Grand County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.
8.	LAND AFFECTED (site location map required) (indicate county) NW/4, SE/4, Section 28, Township 25 South, Range 19 East, Grand County, Utah
9.	HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?
10.	POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR: See Attachment
11.	NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12.	FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL Frank R. Matthews PHONE: 538-5340 DATE: 6-3-91 Petro/eum Engineer



July 19, 1991

VIA AIRBORNE EXPRESS

REGISTA

JUL 2 2 1991

DIVISION OF OIL GAS & MINING

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE 82 E. DOGWOOD MOAB, UTAH 84532

Attention: Mr. Fred Oneyear

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1

SEC.28-T25S-R19E GRAND COUNTY, UTAH

Dear Mr. Oneyear:

As per our conversation of today, please find enclosed Columbia's Sundry Notice, in triplicate, regarding a revision in the BOP equipment. This revision applies to all applications currently submitted for approval as long as the same rig is used.

If you have any questions, or require any additional information, please contact me at 713/871-3482 or call Bobby Pier at 801/259-7430.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

CONFIDENTIAL

Aline A. Reese Regulatory Clerk

AAR Encl.

cc: State of Utah Natural Resources Oil, Gas & Mining Mr. R. J. Firth

			RIOR verse mae)	J. LEASE DEBIOXITION	AND MERIAL NO.
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				Sec.28-T25	
14. PERMIT NO. NA		Ground 5576	r Dr. RT. GA. etc.)	12. COUNTY OF PARIS	i
NA		Ground 3370		Grand	Utah
16.	Check	Appropriate Box To Indicate	Nature of Notice, Report, o	r Other Data	
	NOTICE OF IN	TENTION TO:	8048	EQUENT EMPORT OF:	
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FRACTURE TREA	LT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING C	CABING
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				7. UNIT AGREEMENT NAME
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COLUMBI	no. a Gas Dev	velopment Corporat	ion of the Castal Fire Castal Fire	Kano Chringe Fodoral
. ADDRESS OF OPE				Kane Springs Federal
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355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

September 10, 1991

Columbia Gas Development Corporation P. O. Box 1350 Houston, Texas 77251-1350

Gentlemen:

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D. Division Director

Re: <u>Kane Springs Federal 28-1 Well, 1900 feet from the South line, 1900 feet from the East line, NW SE, Section 28, Township 25 South, Range 19 East, Grand County, Utah</u>

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq. (1953, as amended), and Utah Admin. R.615-2-3, subject to the following stipulations:

- 1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.
- 2. Special attention is directed to compliance with Utah Admin. R.6I5-3-3I, which prescribes drilling procedures for designated potash areas.
- 3. The reserve pit should have flagging installed to prevent birds from entering the area.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- 2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.

an equal opportunity employer

Page 2 Columbia Gas Development Corporation Kane Springs Federal 28-1 September 10, 1991

- 4. Prompt notification in the event it is necessary to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801) 538-5340, (Home) (801) 476-8613, or R. J. Firth, Associate Director, (Home) (80l) 571-6068.
- 5. Compliance with the requirements of Utah Admin. R.6l5-3-20, Gas Flaring or Venting.
- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (80I) 538-6159.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31325.

Sincerely,

Associate Director, Oil & Gas

tas

Enclosures

cc: Bureau of Land Management

J. L. Thompson

we14/1-2

Form 3160-3 (November 1983) (formerly 9-331C)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIP (Other instruction reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

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COLUMBIA GAS DEVELOPMENT CORPO	·		9. WEI.I. NO. #28-1					
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SEP 1 2 1991

DIVISION OF OIL GAS & MINING

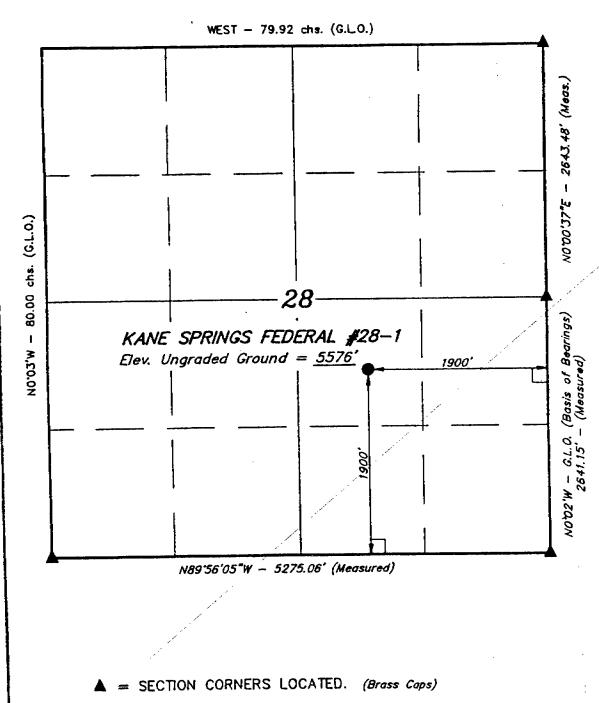
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed lis to deepen or plug back, give data on present productive some and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout presenter program, if any, 24 Superintendent Moab Area (This space for Federal or State office use) Assistant District Manager /S/(WILLIAM C. STRINGER SEP 6 1991 CONDITIONS OF APPROVAL, IF ANY : CONDITIONS OF PRESENTATION ACHED 619 -12-FLARING OR VENTING OF

GAS IS SUBJECT TO NTL 4-A

*See Instructions: On Reverse Side

Title 18 0.5 c. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T25S, R19E, S.L.B.&M.

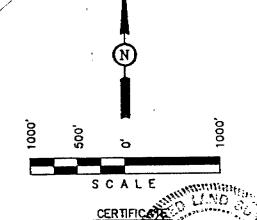


COLUMBIA GAS DEVELOPMENT CORP.

Well location, KANE SPRINGS FEDERAL #28-1, located as shown in the NW 1/4 SE 1/4 of Section 28, T25S, R19E, S.L.B.&M. Grand County, Utah.

BASIS OF ELEVATION

THE KNOLL TRIANGULATION STATION LOCATED IN SECTION 11, T26S, R19E, S.L.B.&M. TAKEN FROM THE KNOLL QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6316 FEET.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
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SUPERVISION AND THAT THE SAME FRE TRUE MODI CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELLET.

REGISTERED LAND SURVEYOR RECESTRATION NO. 5709

REVISED: 5-22-91 R.E.H.

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

	(- · · ·)	
SCALE 1" = 1000'		DATE 5-17-91
PARTY J.T.K. B.D.	T.D.H.	REFERENCES . G.L.O. PLAT
WEATHER		FILE
WARM		COLUMBIA GAS DEV. CORP.

001 / U W

Columbia Gas Development Corp.
Kane Spring Fed. No. 28~1
NESE Sec. 28, T. 26 S., R. 19 E.
Grand County, Utah
Lease U-50678 (Surface Location)
U-48351 (Bottom Hole Location)

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Columbia Gas Development Corp., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by COO356 (Principal - Columbia Gas Development Corp.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. A one-time, 90 day extension of this period may be granted. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

- 1. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.
- 2. Daily drilling and completion progress reports shall be submitted to the District office on a weekly basis.

- 3. The BLM shall be kept apprised of all fluids entering or leaving the pit, through either weekly drilling reports or a final status report, submitted with the completion report. Either of which shall be submitted prior to reclamation of the pits.
- 4. No trivalent or hexavalent chromate additives shall be used in the mud system. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.
- 5. A 2000 lb. 20 inch annular preventer and BOP system shall be installed, tested and in working condition prior to drilling through the surface casing shoe according to Onshore Order No. 2 specifications.
- 6. As stated under item No. 3 (BOP tests) ram preventers are to be tested to seventy percent (70%) of working pressure, or seventy percent (70%) of the burst rating of the intermediate pipe, whichever is lesser. To be in compliance with the minimum requirements of Onshore Order No. 2., ram preventers shall be tested to the approved stack working pressure if isolated by a test plug or to 70% of internal yield pressure of casing if the BOP stack is not isolated from the casing.
- 7. BOP systems shall be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Ram preventers shall be inspected and operated each trip (no more than once a day is necessary), and annular preventers shall be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded on the daily drilling report.
- 8. Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

9. When the completion program is determined, a sundry notice describing the completion shall be submitted to this office for approval.

- 10. Should the well become productive, the BLM, District Office must be notified no later than five business days after production begins. Notification shall be by letter or sundry notice, or orally to be followed by a letter or sundry notice.
- 11. Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 Mmcf following its completion, whichever comes first, without prior written approval of the Authorized Officer. Surface casing shall have centralizer on each of the bottom three joints.
- 12. Surface casing shall be set 50 feet into the Chinle Formation regardless of the depth the Chinle is encountered.
- 13. Intermediate casing shall be set 50 ft into the second clastic zone within the Paradox Formation regardless of the depth this zone is encountered.
- 14. Prior to the use of oil base mud, the operator shall disclose to the Moab District Office, BLM components used in the mud system.
- 15. To determine cement top and bond quality, a cement bond log (CBL) or cement evaluation tool (CET) shall be run after the 13 3/8" and the 9 5/8" casings are run and cemented in place.
- 16. As proposed, the horizontal portion of the well is to be drilled from a KOP at +-6917 ft MD in a direction of N 16.0 W. The bearing of the hole shall not deviate more than +-10 degrees without prior approval from the authorized officer.

CONDITIONS OF APPROVAL

EA Log No. <u>UT-068-91-76</u>	Lease or Serial NO. <u>U-50678</u>
Project Application for Permit to Drill	Exploration Well Col. 28-1.
Applicant Columbia Gas Development Corp	Address Houston Texas
Project Location T25S, R19E (SLM), Sec.	28: NWSE, Grand County, Utah.
RIM Office Grand Resource Area	Phone No. (801) 259-8193

CONSTRUCTION

- 1. The operator/contractor will contact the Grand Resource Area Office in Moab, Utah (801-259-8193) 48 hours prior to beginning work on public lands.
- 2. The dirt contractor will be furnished an approved copy of the surface use plan and BLM stipulations prior to starting any work.
- 3. Surface disturbance and vehicular travel will be limited to the approved location and access route. Any additional area needed will require BLM approval in advance of use.
- 4. Access (ingress and egress) will be controlled by appropriate signs as needed along the road.
- 5. The access road and well pad will be sprinkled with water as needed to control dust.
- 6. Neither construction material nor equipment will be stored on the access road or location without prior BLM approval.
- 7. The drill rig will be transported to the location during a period when vehicle traffic is light.
- 8. Prior to well pad construction, a temporary fence will be constructed along the eastern boundary of site 42GR2369 in order to prevent accidental vehicular traffic on this site.

9. The reserve pit may be lined. The decision to line the reserve pit will be made at the time the pit is excavated, and prior to use. The decision will be based on the following considerations:

(a) If the site of the pit is in solid bedrock, without visible fracturing, and with no near-surface freshwater aquifers below, the pit will not require lining.

(b) If, however, the pit cannot retain fluids as a result of fracturing, percolation, or the fact that the pit is partially excavated in unconsolidated materials, a liner will be required.

If a liner is needed, a bentonite liner can be used unless one (or more) of the following conditions exist:

- (a) The pit is partially located in gravel or unconsolidated alluvium which cannot be sealed.
- (b) Fracturing, which cannot be sealed with the bentonite, is evident.
- (c) Subsurface freshwater zones are near enough to the ground surface (less than 100 feet) that they may be contaminated with drilling fluids.
- (d) The pit is located near surface drainages, or adjacent cliffs where fracturing (or bedding-plane migration) could result in leakage.

If any of the above conditions exist, an artificial liner, of sufficient strength and thickness to prevent leakage or migration of pit fluids, will be required.

If a liner (bentonite or artificial) is used, construction techniques designed to insure, during the construction and installation, that the liner will not be breached by puncture and erosion, will be employed.

DRILLING

- 1. In order to guard against leakage problems, the condition of the reserve pit will be monitored by Columbia and by BLM.
- 2. A de-watering unit will be used, if available, and the reserve pit will be reduced in size.
- 3. In order to reduce fugitive dust, the operator/contractor will be required to periodically water down the access road and drill pad.
- 4. In order to help prevent raptors, other birds, and animals from entering into the reserve pit area and consuming any contained water, and also to minimize fouling of plumage by residual oil, the pit will be fenced, and flagging installed in order to ward off the raptors and other birds. The fencing will be kept in good repair by Columbia.

- 5. After the completion of drilling operations, the drill rig will be transported from the location during a period when vehicle traffic is light.
- 6. Shield lights will be present on the drill rig.

POST-DRILLING

1. Each disturbed area will be recontoured to approximate the natural contour, with stockpiled topsoil evenly distributed over these areas. Until recontouring is accomplished, the flagging over the reserve pit will remain in place in order to help deter birds from consuming any water which may be present. All disturbed areas will be scarified along the ground contour to a depth of 4 inches. Drill pads will not be smoothened out, but will be left with a roughened surface. A seed mixture specified by the BLM will then be drilled, at a time also to be specified by the BLM. Finally, disturbed areas will be fenced for 2 years in order to keep livestock and wildlife out and to allow for successful rehabilitation. Seeding will be determined to be successful when a suitable plant cover or density provides for site stabilization, and a vegetative trend has been established comparable to the surrounding area.

Within 30 days of completion of drilling operations, reserve pit contents will be treated by centrifuging to remove residual fluids. Testing will then be done on the remaining pit contents to analyze heavy metal content, salt concentration and properties, and hydrocarbon content. These test results will be provided to the BLM Area Office prior to pit closure.

If tests reveal that these values are within acceptable levels, the contents will be solidified and buried on-site. However, if levels are found to be above acceptable standards for heavy metals, salts, or hydrocarbons, the pit contents will be removed and hauled to an acceptable landfill.

- 2. The operator/contractor will contact the Grand Resource Area BLM office in Moab, Utah (801-259-8193) 48 hours prior to starting rehabilitation work that involves earthmoving equipment and completion of restoration measures.
- 3. If the well is completed as a producer, construction of pipeline facilities will be scheduled during low recreational use periods (i.e., November through February).
- 4. Following rehabilitation of the well pad, BLM will check the condition of site 42GR2369 against its pre-construction condition. Should the condition of the site prove to be altered during this period, the site will be excavated and the cost of this mitigation will be borne by Columbia.

B. SURFACE USE PLAN

- 1. The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.
- 2. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.
- 3. A cultural resource clearance will be required before any construction begins. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:
 - whether the materials appear eligible for the National Register of Historic Places;
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
 - a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

- 11. Pipeline construction activity is not authorized under this permit.
- 12. Copies of all water analysis required by the State of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office, Bureau of Land Management.
- 13. Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 7 (NTL-2B).

A STANDARD A STANDARD THE STANDARD AS

Plans will be formulated for long term monitoring of aquifers and springs in the area of proposed development prior to approval of further Applications for Permit to Drill.

14. If at any time the facilities located on public land authorized by the terms of the lease are no longer included in the lease (due to contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer (AO).B.

C. REQUIRED NOTIFICATIONS AND APPROVALS

Required verbal notifications are summarized in Table 1, attached.

Spud-Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District office within twenty-four (24) hours after spudding (regardless of whether spud was made with a dry hole digger or big rig). If the spudding occurs on a weekend or holiday, the written report will be submitted on the following work day.

<u>Undesirable Events/Immediate Reports</u>- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

<u>Cultural Resources</u>- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and /or gas) will be submitted when requested by the Assistant District Manager.

<u>Plugging and Abandonment</u>- If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.



October 14, 1991



DIVISION OF OIL GAS & MINING

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE 82 S. DOGWOOD MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1

SEC.28-T25S-R19E GRAND COUNTY, UTAH API NO. 43-019-31325

Dear Mr. Manchester:

Columbia Gas Development Corporation respectfully submits the enclosed Sundry Notice in triplicate to incorporate a Vertical Seismic Profile (VSP) procedure to the Logging, Testing and Coring Programs section (No.6) of the approved Eight Point Drilling Program.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

AAR Encl.

cc: State of Utah Office of Natural Resources - Oil, Gas & Mining
Mr. R. J. Firth

BUREAU OF LAND MANAGEMENT	Drc.50070 Dtm.0-40551
CHARDY MOTION AND DEPONIE ON WELLS	6. IF INDIAN, ALLOTTER OF TERE NAME
SUNDRY NOTICE AND REPORTS ON WELLS	N/A
(No not use this form for proposal defill or to deepen or plug back to a different reserving the "APPLICAT" FOR PERMIT—" for such proposals.)	W/A
	7. UNIT AGREEMENT NAME
OIL CAS	l
WELL WELL OTHER	Kane Springs Federal Unit
2. HAME OF OPERATOR	S. PARM OR LEAST HAME
Columbia Gas Development Corporation	Kane Springs Federal
3. ADDELER OF OPERATOR	F. WALL NO.
P. O. Box 1350 Hou., TX. 77251-1350	#28-1
4. INCATION OF WELL (Report location clearly and in accordance with any State requirements." See also apuce 17 below.)	10. FIELD AND POOL, OF WILDCAT
At sufface	Wildcat
	Il. BEC., T., L., M., OR BLE. AND
1900 FSL & 1900' FEL of Sec.28-T25S-R19E	EDEAKI OF TFFT
1300 1BE 0 1300 1 = 01 00010 1 = 01	Sec. 28-T25S-R19E
14. PERMIT NO. 16. ELEVATIONS (Spow whether Dr. RT. GR. etc.)	12. COUNTY OR PARISH 18. STATE
43-019-31325 Ground 5576 RKB:5602	Grand Utah
16. Check Appropriate Box To Indicate Nature of Notice, Re	port, or Other Data
	SUBSECUENT EXPORT OF:
NOTICE OF INTENTION TO:	BUBBEOURN REPORT OF :
TEST WATER SBUT-OFF FULL OR ALTER CASING WATER SHUT-OFF	EEPAIRING WELL
FRACTURE TREAT NULTIFLE COMPLETE PRACTURE TREAT	MENT ALTERING CARING
RHOOT OR ACIDIZE ABANDON' BROOTING OR ACI	DIZING
REPAIR WELL CHANGE PLANS X (Other)	Table of a state of the state o
	port results of multiple completion on Well or Recompletion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pert proposed work. If well is directionally drilled, give subsurface locations and measured and nent to this work.)	Time Adria Ment Ten and sones berri-
The following procedure will be added on to No. 6 (Testi of the approved Eight Point Drilling Program for the ca	ptioned well.
6. H) VERTICAL SEISMIC PROFILE (VSP): This pro running of an additional downhole logging Point. Additional equipment will consist trucks which will be located at approx. 5 direction from the well pad on an existin	device at Kick-Off- of two (2) vibrator 000' in a northerly
APPROVED BY THE STA	RECEIVED OCT 17 1991
OIL, GAS, AND MINING DATE: 10-18-9111111111111111111111111111111111	DIVISION OF OIL GAS & MINING
18. I bereby certify that the foregoing is the and correct SIGNED A. Roose Aline A. Roose	k DATE 10/14/91
(This space for Federal or State office use)	
APPROVED ET	DATE

WATER PERMIT OK -

DIVISION OF OIL, GAS AND MINING



SPUDDING INFORMATION

NAME OF COMPANY:	COLUMBIA	GAS DEVELO	DPMENT.	<u> </u>	
WELL NAME:	KANE ·SPRI	NGS FEDERA	AL 28-1		-
SECTION NWSE 28 TOWN	NSHIP 258	Range_	19E COUNT	Y GRAND	
DRILLING CONTRACTOR_	GRACE DRI	LLING			
RIG #	·	•			
SPUDDED: DATE 10-27	7-91	•			
TIME 2:30	p.m.				•
HOWROTAL	RY	•			
DRILLING WILL COMMENC	E			· · · · · · ·	
				'	
REPORTED BY BOBBY			-		
TELEPHONE # 259-65	533				
	•			•	
	•				
			•		
DATE 10.00	. 01		SIGNED	mag (TIDM	



October 29, 1991

CONFIDENTIAL

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE P. O. BOX 970 MOAB, UTAH

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #19-1A ST

SEC.19-T26S-R20E GRAND CO., UTAH

KANE SPRINGS FEDERAL #28-1

SEC. 28-T25S-R19E GRAND CO., UTAH

Dear Manchester:

Please find enclosed Columbia's Sundry Notices regarding the daily activity reports for the above referenced locations.

If you have any questions, or require any additional information please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

AAR

Enclosures

BECINAL

OCT 3 1 1991

DIVISION OF OIL GAS & MINING

cc: State of Utah Ofc. of Natural Resources

Oil, Gas & Mining Mr. R. J. Firth

STATE OF	HATU		
DIVISION	OF OIL.	GAS AND	MINING

ENTITY ACTION FORM - DOGM FORM 6

PERATOR .	Columbia Gas Development Corp.				
NODECC	P. O. Box 1350	PHOT			

77251-1350

N5035 RATOR CODE .

NE NO. (713 > 871-3400

SECUTORS WHEN SOMELETS SORE HOOK SPHIRTING MELL WELL	OR WHEN CHANGE	IN OPERATIONS OR	INTERESTS NECESSITATES	CHANGE IN EXISTING	ENTITY NUMBER ASSIGNMENT.

Hou., TX.

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY N					ITITY NUMBER ASS							
ACTION	CURRENT	NEW	API NUMBER	WELL NAME		WELL LOCATION					SPUD	EFFECTIVE
CODE	ENTITY NO.	ENTITY NO.				QQ	sc	TP	RG	COUNTY	DATE	DATE
æB.	99999	11180	43-019-31325	Kane Springs Federal	#28-1	NW/CE	28	25S	1017	Grand	10/27/91	
COMMENTS	<u> </u>	F 1 6 1	13 017 31323	P = 2 Paker	π20 ± 1	1444/ [31]	20	<u> </u>	1,71	<u>u.a.a.</u>	10/2//	
ļ		tederal-l	-pase	rof Zone - IRDX	1 11 .	٠j	11	<i>i</i> 1	.11		1:1. 1	<i>/</i>
		Field-w	ild Cat (Continued with operator the	t this is a	- unit	well ar	id Shou	ld be a	951 gred the 51	ine entity the	et was)
		Unit-K	anu Springs	Prop. Zone - PRDX Confirmed with operator the previously assigned to the	Kene Sprin	g Fed.	27-1, "	entity	11180	· Ge		
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COMMENTS	:	1	·!					•				
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ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL

B - ADD NEW WELL TO EXISTING ENTITY

C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY

D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY

E - OTHER (EXPLAIN IN COMMENTS SECTION)

Regulatory Clerk TITLE

DATE

DIVISION OF OIL GAS & MINING

BUREAU OF AND MANAGEMENT	SFC:50678 BHL:U-48351
SUNDRY NOTICE AND REPORTS ON WELLS (Inc not use this form for proposals to drill or to despet or plus back to a different reservoir.	N/A
Use "APPLICATION FOR PERMIT—" for such proposals.)	
OIL S CAB OTREK	Kane Springs Federal Unit
Columbia Gas Development Corporation	Kana Carings Fodoral
5. ADDRESS OF OFERTON	Kane Springs Federal
P. O. Box 1350 Hou., TX. 77251-1350	#28-1
4. LOCATION OF WELL (Report location clearly and to accordance with any State requirements.*	10, FIELD AND POOL, OL WILDCAT
See also apure 17 below.) At surface	Wildcat
At surrect	11. HEC. T. A. M. OL BLK. AND
1900' FSL & 1900' FEL of Sec.28-T25S-R19E	SURVEY OR ARMA
	Sec.28-T25S-R19E
14. PERMIT NO. 15. ELEVATIONS (Show whether Dr. RT, GR. etc.)	12. COUNTY OR PARISH 15. STATE
43-019-31325 Gr: 5576' RKB: 5602	Grand Utah
16. Check Appropriate Box To Indicate Nature of Notice, Report, or	Other Data
	OTHER DOIG
NOTICE OF INTENTION TO:	
TEST WATER BBUT-OFF PELL OR ALTER CASING WATER BUCT-OFF	REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTEBING CABING
SHOOT OF TCIDIZE TO THE TOTAL OF TCIDIZING	ABANDONAET*
REPAIR WELL CHANGE PLANS (Other) Daily Dri	lling Report
(Other) (Note: Report result	ts of multiple completion on Well pletion Report and Log form.)
17. DESCRIBE PROPOSED ON COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent date proposed work. If well is directionally drilled, give subsurface locations and measured and true vertinent to this work.)*	e. including estimated date of starting any load depths for all markers and zones perti-
	·
See attached for Drilling Report.	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	A CHANNEL S
\0\dag{0}	
	OCT 3 1 1991
•	DU HOMAN OF
	DIVISION OF
0	IL GAS & MINING
18. I bereby certify that the foregoing is true and correct	

TITLE _

(This space for Federal or State office nee)

TITLE Regulatory Clerk

DATE 10/29/91

DATE __

### COLUMBIA GAS DEVELOPMENT CORPORATION

## CONFIDENTIAL

### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

### DAILY ACTIVITY REPORT

10/23/91	START MIRU, BLM NOTIFIED OF RIG MOVEMENT.
10/24/91	RIGGING UP
10/25/91	RIGGING UP, NOTIFICATION OF INTENTION TO SPUD GIVEN TO BLM
10/26/91	FIN R/U.
10/27/91	SPUD WELL @ 14:30 HRS, DRL TO 176', BLM NOTIFIED OF SPUDDING.
10/28/91	DRL TO 294'.

COLUMBIA GAS Development

VFIDENTIAL .

November 4, 1991

NOV 0 6 1991

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE P. O. BOX 970 MOAB, UTAH 84532

**DIVISION OF** OIL GAS & MINING

Attention: Mr. Dale Manchester

Reference:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL 19-1A ST

SEC. 19-T265-R20E GRAND COUNTY, UTAH

KANE SPRINGS FEDERAL 28-1

SEC.28-T258-R19E GRAND COUNTY, UTAH

Dear Mr. Manchester:

Please find enclosed Columbia's Sundry Notices, in triplicate, regarding the daily activity reports at the above captioned locations.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

in 1 Ris -

Aline A. Reese Regulatory Clerk

AAR Encl.

cc: State of Utah ofc. of Natural Resources - Oil , Gas & Mining Mr. R. J. Firth

(Formerly 9-331)  DEPARTMENT OF THE INTERIOR verse side)  BUREAU AND MANAGEMENT	Sfc.:50678 BHL:48351
SUNDRY NOTICES AND REPORTS ON WELLS  (100 not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
1.	Kane Springs Federal Unit
2. NAME OF OPERATOR	8. PARM OR LEASE NAME
	Kane Springs Federal
Columbia Gas Development Corporation 3. ADDRESS OF OPERATOR	9. WELL NO.
	#28-1
P. O. Box 1350 Hou., TX. 77251-1350 713/871-3400	10. FIELD AND POOL, OR WILDCAT
See gian space 17 Delow-)	Wildcat
At surface	11. BEC., T., R., M., OR BLE. AND SUBVEY OR AREA
1900' FSL & 1900' FEL of Sec.28-T25S-R19E	Sec.28-T25S-R19E
11. BLEVATIONS (Show whether DF, NT, GK, etc.)	12. COUNTY OR PARISH 18. STATE
13. February 2007	Grand Utah
43-019-31325 Gr: 5576 RKB: 5602	1
10. Check Appropriate Box To Indicate Nature of Notice, Report, or C	Other Data
	DENT EMPORT OF:
FRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL  TEST WATER BEUT-OFF  PRACTURE TREAT  ABANDON*  CHANGE PLANS:  WATER SEUT-OFF  PRACTURE TREATMENT  BEOOTING OR ACIDIZING  (Other)  COMPLETE  (Nort: Report result  Completion or Recommendation of Recom	ALTERING CASING ABANDONMENT*  IVITY PEPOPT  S of multiple completion on Well pletion Report and Log form.)
17. DESCRIBE PROPOSED ON COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent date proposed work. If well is directionally drilled, give subsurface locations and measured and true vertinent to this work.)*  ** See attached for daily activity report.	cal depths for all markers and zones perti-
see actached for during doctring reports	



DIVISION OF OIL GAS & MINING

SIGNED Aline A Roose	TITLE _	Regulatory Clerk	DATE	11/4/91
(This space for Federal or State office use)  APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE _		DATE	

*See Instructions on Reverse Side

### COLUMBIA GAS DEVELOPMENT CORPORATION

### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

### DAILY ACTIVITY REPORT

CONFIDENTIAL

10/29/91	DRL TO 365', LS @ 315 1/4 DEG.
10/30/91	DRL TO 389', POH TO BTM OF CSG @ 85', RIG REPAIR
10/31/91	DRL TO 450', BLOW HOLE CLEAN
11/1/91	DRL TO 550', BLOW HOLE CLEAN
11/2/91	DRL TO 637', POH, R/U AND RUN 20" CSG TO 636', LS @ 585' 1/2 DEG.
11/3/91	CMT 20" CSG W/980 SX CL-G NEAT @ 15.8 PPG, CMT'D 20" X 30" ANNULUS WITH 150 SX CL-G @ 15.8 PPG. PROCEDURE WITNESSED BY ELMER DUNCAN OF BLM-GRAND RESOURCE AREA OFFICE.



November 6, 1991

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE P. O. BOX 970 MOAB, UTAH 84532

Attention: Mr. William Stringer

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1

SEC. 28-T25S-R19E GRAND COUNTY, UTAH

Dear Mr. Stringer:

Please find enclosed an original and two copies of Columbia Gas Development Corporation's Sundry Notice regarding the above referenced location.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

AAR

Enclosure

State of Utah Ofc. of Natural Resources Division of Oil, Gas & Mining - Mr. R. J. Firth

NOV 0 8 1991

DIVISION OF OIL GAS & MINING

	SFC:50678 BHL:U-48351
SUNDRY NOTICE AND REPORTS ON WELLS  (190 not use this form for proposals) or fill or to deepen or plus back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for succe proposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME N/A
DR AFFEIGATION FOR FEMALE - 107 FEED PROPERTY.	T. UNIT AGREEMENT NAME
OIL X CAS WELL OTHER	Kane Springs Federal Uni
Columbia Gas Development Corporation 713/871-3400	Kane Springs Federal
P. O. Box 1350 Hou., TX. 77251-1350	#28-1
LOCATION OF WELL (Report location clearly and in accordance with any State requirements."	10. PIELD AND POOL, OF WILDCAT
See also apuce 17 below.) At surface	Wildcat
1900' FSL & 1900' FSL of Sec.28-T25S-R19E	Sec. 28-T25S-R19E
PERMIT NO.   1L. ELEVATIONS (Show whether DF, RT, GL, etc.)	12, COUNTY OF PARISH   15, STATE
43-019-31325 Gr: 5576 RKB: 5602	Grand Utah
Check Appropriate Box To Indicate Nature of Notice, Report, or	
NOTICE OF INTENTION TO:	DENT REPORT OF:
TEST WATER BEUT-OFF PELL OR ALTER CASING WATER SUCT-OFF	REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CABING
EHOOT OR ACIDIZE ABANDON'S BROOTING OR ACIDIZING	ABANDONNENT*
REPAIR WELL CHANGE PLANE (Other) Undesirah	ts of multiple completion on Well
(Other)  Completion or Recompensations (Clearly state all pertinent details, and give pertinent date	pletion Report and Log form.)
Pursuant to NTL-3A and Mr.William Stringer's October 17th, 199 Robert J. Pier Columbia Gas Development Corp. reports the fol  1/2 a barrel of 17.0 ppg oil base mud was spilled at captioned location. The spill was contained onsite, recovered and placed in the reserve pit.	lowing occurance: the above
Verbal notification of occurance was given to Ms. Ann Aubrey	on 11/5/91.
	NOV 0 8 1991
	1404 0 0 1221
	DIVISION OF
	OIL GAS & MINING
SIGNED SUCCESSIONED Regulatory Clerk	DATE 11/6/91
SIGNED Aline A. Reese Regulatory Clerk	DATE11/6/91
SIGNED JURIN KUSE - TITLE Regulatory Clerk	DATE 11/6/91

BUREAU OF LAND MANAGEMENT		SFC:50678	BHL:U-48351
SUNDRY NOTICE AND REPORTS ON WELLS  (The not use this form for proposals of drill or to deepen or plug back to a different residue "APPLICATION FOR PERMIT—" for such proposals.)	ervoit.	6. IF INDIAN, ALLOT	TEL OR TRIBE NAME
1.		7. UNIT AGREEMENT	PANE
OIL X CAS OTHER		<u>Kane Springs</u>	Federal Unit
2. NAME OF OPERATOR		8. FARM OR LEAST	
Columbia Gas Development Corporation 713/871-3400	<u> </u>	Kane Springs	<u>Federal</u>
P. O. Box 1350 Hou., TX. 77251-1350		#28-1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also apuce 17 below.)		10, FIELD AND POOL	, OL WILDCAT
At surface		Wildcat	
1900' FSL & 1900' FSL of Sec.28-T25S-R19E		Sec. 28-T25	EBA
14. PERMIT NO.   16. ELEVATIONS (Show whether Dr. RT. CK. etc.)		12. COUNTY OF PAR	IBH 15. STATE
43-019-31325 Gr: 5576 RKB: 5602		Grand	Utah
Check Appropriate Box To Indicate Nature of Notice, I	Report, or O	other Data	
NOTICE OF INTENTION TO:		ENT EMPORT OF:	
TEST WATER SHUT-OFF FULL OR ALTER CASING WATER SHUT-		REPAIRIN	10 mr.;
FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TRE	<del></del>	ALTERING	<u>∤</u> —-
ENOOT DE ACIDIZE ABANDON'S BROOTING OR	ACIDIZING	HODHAMA	MENT.
	ndesirabl		
(Other) (NOTE: Complet 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pe	ion or Recomple	of multiple completi- etion Report and Log	form.)
Pursuant to NTL-3A and Mr.William Stringer's October 1 Robert J. Pier Columbia Gas Development Corp. reports  1/2 a barrel of 17.0 ppg oil base mud was spicaptioned location. The spill was contained or recovered and placed in the reserve pit.	the follo	owing occurar he above	nce to
Verbal notification of occurance was given to Ms. Ann A	Aubrey or	n 11/5/91.	
		CBINE	
	17	OV 0 8 1991	
		IVISION OF BAS & MINING	
S. I bereby cortify that the foregoing is true and correct	-		
SIGNED SUNCE CUSC - TITLE Regulatory Cle	erk	DATE	/6/91
(This space for Federal or State office use)			

DATE ___

TITLE ____



November 11, 1991

## CONFIDENTIAL

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE P. O. BOX 970 MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FED. #19-1A ST

SEC.19-T26S-R20E GRAND CO., UTAH

KANE SPRINGS FEDERAL #28-1

SEC. 28-T25S-R19E GRAND CO., UTAH

Dear Mr. Manchester:

Please find enclosed an original and two copies of Columbia's Sundry Notices regarding the above referenced locations.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese

Regulatory Clerk

. Aline L. Rossi)

AAR

Enclosures

State of Utah Ofc. of Natural Resources cc: Oil, Gas & Mining - Mr. R. J. Firth.

NOV 1 4 1991

DIVISION OF OIL GAS & MINING

51C: 306/6 DILL: 0-46351
6. IF INDIAN, ALMOTTER OR TRIBE NAME
N/A
7. UNIT AGREEMENT NAME
Kane Springs Federal Unit
S. FARM OR LEAST HAME
Kane Springs Federal
S. WELL NO.
#28-1
10. PIELD AND POOL, DE WILDCAT
Wildcat
11. BEC., T., B., M., OR BLE, AND SURVET ON AREA
Sec. 28-T25S-R19E
12. COUNTY OR PARISH 15. STATE
Grand Utah
O. D.
t, or Other Data
BUBBEQUENT EMPORT OF:
REPAIRING WELL
ALTERING CASING
ING AMANDONMENTS
y activity report
results of multiple completion on Well Recompletion Report and Log form.)
of dates, including estimated date of starting any e vertical depths for all markers and zones perti-
RECIBILVE
NOV 1 4 1991
<b>WE HANDE</b>
DIVISION OF
OIL GAS & MINING
DATE 11/11/91

DATE ___

TITLE ___

### COLUMBIA GAS DEVELOPMENT CORPORATION

### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

### DAILY ACTIVITY REPORT

### CONFIDENTIAL

11/4/91	FIN NU, GIH W/BHA, MW 16.0 PPG
11/5/91	DRL CMT & SHOE F:633-637', DRL TO 1080', TESTED CSG (TEST WITNESSED BY ELMER DUNCAN)
11/6/91	DRL TO 1586', LS @ 1064' 1/2 DEG.
11/7/91	DRL TO 2055', REPAIR BLOOEY LINE, LS @ 1560' 3/4 DEG.
11/8/91	DRL TO 2137', TFNBIT, WORK ON BLOOEY LINE, DRL TO 2385', LS @ 2059' 1 DEG.
11/9/91	DRL TO 2870', LS @ 2531' 1/4 DEG.
11/10/91	DRL TO 3225', LS @ 3027' 3/4 DEG.



November 11, 1991

## CONFIDENTIAL

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE P. O. BOX 970 MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FED. #19-1A ST

SEC.19-T26S-R20E GRAND CO., UTAH

KANE SPRINGS FEDERAL #28-1

SEC. 28-T25S-R19E GRAND CO., UTAH

Dear Mr. Manchester:

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If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

Aline S. Ross

AAR Enclosures

cc: State of Utah Ofc. of Natural Resources Oil, Gas & Mining - Mr. R. J. Firth.

MEGBINATION

NOV 1 4 1991

DIVISION OF OIL GAS & MINING

BUREAU OF LAND MANAGEMENT	<u>UTU-53626</u>
SUNDRY NOTICE AND REPORTS ON WELLS  (Into not upe this form for proposals arill of to deepen or plug back to a different reserve the "APPLICATION FOR PERMIT—" for such proposals.)	N/A
	7. UNIT AGREEMENT PAME
OIL X CAB WELL OTHER	Kane Springs Federal Uni
NAME OF OPERATOR	E. FARK OR LEAST NAME
Columbia Gas Development Corporation 713/871-3400	Kane Springs Federal
ADDRESS OF OPERATOR	5. WELL NO.
P. O. Box 1350 Hou., TX. 77251-1350	#19-IA ST
See miso apuce 17 below.)	
At auriace	Wildcat
800' FSL & 1981' FEL of Sec.19-T26S-R20E	SURVEY OR AREA
000 15h & 1901 1Hh Of Sec. 19 1205 120h	Sec. 19- T26S-R20E
1. PERMITANA.   1L. ELEVATIONS (Show whether Dr. RT. CA. etc.)	12. COUNTY OR PARISH 15. STATE
43-109-31324 01 Gr: 5965	Grand Utah
Check Appropriate Box To Indicate Nature of Notice, Report, of	
NOTICE OF INTENTION TO:	REQUENT REPORT OF:
TEST WATER BEUT-OFF POLL OR ALTER CASING WATER EMET-OFF	ESPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENT	ALTERING CASING
SHOOT OF TCIDIZE THE THEOLING OF TCIDIZING	ABANDONMENT*
REPAIR WELL CHANGE PLANE (Other) Daily a	ctivity report
(Other) (Nork: Report re	completion Report and Log form.)
17. DESCRIBE PROPUSED ON COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent deproposed work. If well is directionally drilled, give subsurface locations and measured and true vinent to this work.)	nies including estimated date of starting ADT
7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent d proposed work. If well is directionally drilled, give subsurface locations and measured and true vo	nies including estimated date of starting ADT
(7. DESCRIBE PROPOSED ON COMPLETED OPERATION: (Clearly state all portional details, and give pertinent deproposed work. If well is directionally drilled, give subsurface locations and measured and true venent to this work.)	NOV 1 4 1991  DIVISION OF
(7. DESCRIBE PROPOSED ON COMPLETED OPERATION: (Clearly state all portional details, and give pertinent deproposed work. If well is directionally drilled, give subsurface locations and measured and true venent to this work.)	NOV 1 4 1991  DIVISION OF

TITLE ___

DATE ___

(This space for Federal or State office use)

#### KANE SPRINGS FEDERAL #19-1A ST SEC.19-T26S-R20E GRAND COUNTY, UTAH

#### DAILY ACTIVITTY REPORT

# CONFIDENTIAL

11/4/91	CIRC, CBU, INCREASE MW TO 15.4 PPG, RETEST RBP TO 1000#, INCR. MW TO 17.0 PPG, CIRC.
11/5/91	CIRC, REL RBP, PULL UP, RETEST RBP, SWI.
11/6/91	INCR MW TO 17.2 PPG, RIH W/RBP & SET @ 7390', TSTD SAME & REV CIRC, POH, SIFN.
11/7/91	RIH TO 7390', C&C.
11/8/91	RU LOGGERS, LOGGING, RIH & TSTD 2-7/8" TBG. SDFN.
11/9/91	RIH & SET PACKER @ 7380', POH TO RUN CBL. SWIFN.
11/10/91	CIRC, REL RBP, POH W/RBP, P/U PKR & PREPARE TO RIH W/SAME.



November 13, 1991

#### VIA AIRBORNE EXPRESS



DIVISION OF OIL GAS & MINING

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE 82 E. DOGWOOD MOAB, UTAH 84532

Attention: Mr. William Stringer

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1

SEC.28-T25S-R19E GRAND COUNTY, UTAH

Dear Mr. Stringer:

Please find enclosed an original and two copies of Columbia's Sundry Notice regarding the above referenced locations.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

AAR

cc: State of Utah Ofc. of Natural Resources
Oil, Gas & Mining - Mr. R. J. Firth

Columbia Gas Development Corporation 713/871-3400  APPLICATION FOR PERMIT—" for succe proposed)  Well Well OTRES  Kan  Columbia Gas Development Corporation 713/871-3400  Kan  ADDRESS OF OFERATOR  P. O. BOX 1350 Hou., TX. 77251-1350  LOCATION OF WELL (helpert location clearly and to accordance with any State requirements."  AT SUFFACE  1900' FSL & 1900' FEL of Sec. 28-T255-R19E  C. PERMIT NO.  43-019-31325  Gr: 5576 RKB: 5602  Check Appropriate Box To Indicate Nature of Notice, Report, or Other  MOTICE OF INTERVION TO.	Cat  Cat  CEC I A W., OL RLE, AND  BURVET ON AREA  28-T25S-R19E  COUNTY ON FARINH 12. ETATE  ALTERING CARING  ANAMOONNENT*  INC  Ithpic completion on Well  epo:: Edd Log form.)  Inc estimated date of sixting and  is for all markers and somes perti-
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Columbia Gas Development Corporation 713/871-3400 Kan  ADDALES OF OFERATOR P. O. BOX 1350 Hou., TX. 77251-1350 L. 20  LOCATION OF WELL (herori iscalion circuity and in accordance with any State requirements.)  10. 10. 12710N OF WELL (herori iscalion circuity and in accordance with any State requirements.)  10. 10. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12	E Springs Federal Uni  AND POOL, DE WILDCAT  COLOR OF WILDCAT  COL
Columbia Gas Development Corporation 713/871-3400  E. Columbia Gas Development Corporation 713/871-3400  Ram  ADDALES OF OFERATOR P. O. Box 1350 Hou., Tx. 77251-1350  #28  **Location of Well (Memori location circari) and in accordance with any State requirements.  **Location of Well (Memori location circari) and in accordance with any State requirements.  **Location of Well (Memori location circari) and in accordance with any State requirements.  **Location of Well (Memori location circari) and in accordance with any State requirements.  **Location of Well (Memori location circari) and in accordance with any State requirements.  **Location of Well (Memori location circari) and in accordance with any State requirements.  **Columbia State requirements of Notice, Report, or Other with a state of interpretation of Memoria of Memoria of Activities of Memoria with well in directionally defiled. Since any State and State Development of Memoria of Mem	ESPRINGS FEDERAL  ESPRINGS FEDERAL  LEC. T. A. M., OA BLE, AND  BORVEY ON AREA  28-T25S-R19E  DOINT OR FARINH 12, STATE  INC. T. A. M., OA BLE, AND  BORT OF:  THE PARISH 12, STATE  INC. T. A. M., OA BLE, AND  BORT OF FARISH 12, STATE  INC. T. A. M., OA BLE, AND  BORT OF SALESH  CHAPTERING CARING  AMANDONNENT*  INC. T.
Columbia Gas Development Corporation 713/871-3400 Kan  ADDALES OF OFERITOR P. O. BOX 1350 HOU., TX. 77251-1350 #28  Location of Well (Report Realist Clearly and in accordance with any State requirements.)  AT SUFFECT OF WELL (Report Realist Clearly and in accordance with any State requirements.)  10. Will  1900' FSL & 1900' FEL of Sec.28-T25S-R19E  Sec.  C. PERMIT NO.  43-019-31325 Gr: 5576 RKB: 5602 Grad  Check Appropriate Box To Indicate Nature of Notice, Report, or Other  MOTICE OF INTERTION TO:  THEET WATER SEUT-OFF PRACTURE TREAT  SHOOT OR ACIDITE ANALYTE COMPLETE  SHOOT OR ACIDITE TREAT  SHOOT OR ACIDITE ANALYTE COMPLETE  SHOOT OR ACIDITE TREAT  SHOOT OR ACIDITE  SHOOT	E Springs Federal  LELL MG.  -1  LELL AND POOL, OF WILDCAT  COAT  LEC. I. A. M., OR MLE. AND  SDRYET OF AREA  28-T25S-R19E  COUNTY OF FARINH 12. STATE  LUTAH  Doto  CHORT OF:  THE PARISH 12. STATE  LUTAH  Doto  CHORT OF:  THE CARING  ANAMOONMENT*  INC.  It pic completion on Well  epo: and Log form.)  Log estimated date of statung and as for all markers and somes perti-  serior all markers and somes perti-
P. O. Box 1350 Hou., TX. 77251-1350 #28  Location of Well (Memori location creatily and in accordance with any State requirements.)  10. Location of Well (Memori location creatily and in accordance with any State requirements.)  11. Locations (Short whether Pr. N. G. etc.)  12. 43-019-31325 Gr: 5576 RKB: 5602 Grant A3-019-31325 Gr: 5576 RKB: 5602 Gr: 55	THE AND POOL, OF WILDCAT  ICAT  ICAT
P. O. Box 1350 Hou., TX. 77251-1350 #28    Jocation of Well (hence location clearly and in accordance with any State requirements.)   10.1	THE STATE OF AREA OF THE STATE
10. Sec. 21. 1900' FEL of Sec. 28—T255—R19E  1900' FSL & 1900' FEL of Sec. 28—T255—R19E  1. LEXATIONS (Show whether PI, R.; Ob. etc.)  43—019—31325  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intention To:  TEST WATER SBUT-OFF PRACTURE TREAT NULTIPLE COMPLETE ABANDOM' REPAIR WELL CHARGE PLANE (Other) NITL—4A Report:  (Other) Charge province of Complete	Cat  Cat  CEC I A W., OR RLE. AND  BURVET ON AREA  COUNTY ON FARINH 12. ETATE  ANALYZE  COUNTY ON FARINH 12. ETATE  COUNTY ON FARINH 12. ETATE  COUNTY ON FARINH 12. ETATE  ANALYZE  COUNTY ON FARINH 12. ETATE  COUNTY O
1900' FSL & 1900' FEL of Sec. 28—T25S—R19E  43—019—31325  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Notice of Intertion to:  TEST WATER BBUT-OFF POLL OF ALTER CASING PRACTURE TREAT WILL COMPLETE ABANDON' INCREMENT PROPOSED OR COMPLETED OPERATION: (Clearly state all pertinent details, and give pertilent attractions work.)  Pursuant to the reporting requirements of NTL-4A Columbia Gas Develocation. The greyish color of the fluid was due to resiformation.  The fluid was allowed to air dry and is currently being.	28-T25S-R19E  COUNTY OF PARISH 12. STATE  IN Utah  OGIO  FORT OF:  THE PARISH 12. STATE  IN Utah  OGIO  FORT OF:  THE PARISH 12. STATE  IN Utah  OGIO  THE PARISH 12. STATE  IN Utah  OGIO  THE PARISH OF STATE  AMANDONNENT*  IN OGIO  THE COUNTY OF STATE  THE COUNTY OF STATE  TO All markers and zones perti-  THE COUNTY OF STATE  TO All markers and zones perti-
43-019-31325  Check Appropriate Box To Indicate Nature of Notice, Report, or Other  **NOTICE OF INTERTION TO:  **TEST WATER BBUT-OFF FOLL ON ALTER CASING NOTICE TREAT NULTIFIER COMPLETE ABANDON*  **OTHER WELL CHARGE FLANE (Other) NTL-4A Report:  **OTHER WELL CHARGE FLANE (Other) NTL-4A Columbia Gas Developed work. If well is directionally drilled, give subsurface locations and measured and true vertical depinent to this work.)*  **Pursuant to the reporting requirements of NTL-4A Columbia Gas Developed to the complete of the collowing occurance:  **On the morning of 11/9/91 less than ten (10) barrels of from with soap were blown over the pit wall at the above captical location. The greyish color of the fluid was due to resing formation.  **The fluid was allowed to air dry and is currently being the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of the fluid was due to resing the color of t	ODDATE OF PARISH 12, STATE  Utah  Odio  FORT OF:  THEREISE CLASING ABANDONMENT*  INC  tipic completion on Well epo:: and Log form.)  Inc estimated date of stating and as for all markers and somes perti-
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Check Appropriate Box To Indicate Nature of Notice, Report, or Other  ***OTICE OF INTERTION TO:  THE WATER BBUT-OFF PILL ON ALTER CASING  PRACTURE TREAT  ***SHOOT OR ACIDIZE**  ***RHOOT OR ACIDIZE**  ***RHO	THE PAIRING WELL  ALTERING CARING  ANANDONMENT*  INC  Ithlic completion on Well epo:: and Log form.)  Inc estimated date of starting and so all markers and somes perti-
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THE WATER BEUT-OFF PULL ON ALTER CASING PRACTURE TREAT  RHOOT OR ACIDIZE  REPAIR WELL  (Other)  THE ENCIONE TREAT  RHOOT OR ACIDIZE  REPAIR WELL  (Other)  THE ENCIONE TREAT  RHOOT OR ACIDIZE  REPAIR WELL  (Other)  THE ENCIONE TREAT  RHOOT OR ACIDIZE  REPORT TREAD  (Other)  THE REPORT TREAD  (Other)  THE REPORT TREAD  (Other)  THE PROPOSED OR COMPLETED OF ENATIONS (Clearly state all) pertinent details, and give pertinent date. Include probosed work. If well is directionally drilled, give subsurface locations and measured and true vertical dept nent to this work.)  Pursuant to the reporting requirements of NTL-4A Columbia Gas Developed to the proposed of the following occurance:  On the morning of 11/9/91 less than ten (10) barrels of from with soap were blown over the pit wall at the above captic location. The greyish color of the fluid was due to resi formation.  The fluid was allowed to air dry and is currently being	THE TAIRING WELL  AMANDONMENT*  INC  Ithlic completion on Well epo: and Lor form.)  Inc estimated date of starting and as for all markers and zones perti-
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Pursuant to the reporting requirements of NTL-4A Columbia Gas Develocation.  On the morning of 11/9/91 less than ten (10) barrels of fraith soap were blown over the pit wall at the above captic location. The greyish color of the fluid was due to resident of the fluid was allowed to air dry and is currently being.	ALTERING CARING  ALANDONMENT*  Ing estimated date of starting and as for all markers and zones perti-
Pursuant to the reporting requirements of NTL-4A Columbia Gas Deveroperts the following occurance:  On the morning of 11/9/91 less than ten (10) barrels of from with soap were blown over the pit wall at the above captic location. The greyish color of the fluid was due to resification.  The fluid was allowed to air dry and is currently being	AMANDONMENT?  ING  Ithlic completion on Well epo:: and Log form.)  Ing estimated date of starting and as for all markers and zones perti-
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The fluid was allowed to air dry and is currently being cleaned up.	esh water ned
Vernal notification of incident was made to Mr. Lynn Jackson of t district ofc. on 11/9/91.	ne BLM
	BECENVE
	NOV 1 8 1991
	DIVISION OF OIL GAS & MINING
SIGNED UN . Reese TITLE Regulatory Clerk	
(This space for Federal or State office page)	DATE 11/13/91
APPROVED ET	DATE 11/13/91

BUREAU OF LAND MANAGEMENT	SFC:506/8 BHL: U-48351
SUNDRY NOTICE AND REPORTS ON WELLS	6. IF IMDIAN, ALLOTTEL OR TRIBE NAME
Um "APPLICATION FOR PERMIT—" for succe proposass.)	N/A
1.	7. UNIT AGREEMENT NAME
OIL X CAS OTRES	Kane Springs Federal Unit
MAME OF OPERATOR	E. FARK OR LEAST NAME
Columbia Gas Development Corporation 713/871-3400	Kane Springs Federal
2. ADDRESS OF OPERATOR	E. WALL NO.
P. O. Box 1350 Hou., TX. 77251-1350	#28-1
A LOCATION OF WELL (heport location clearly and to accordance with any State requirements."	10. FIELD AND POOL, OF WILDCAT
See aims space 17 below.) At surface	Wildcat
	11. ERC., 1., 1., M., O1 BLE, AND
1900' FSL & 1900' FEL of Sec.28-T25S-R19E	SURVEY OF THE
	Sec. 28-T25S-R19E
14. PERMIT NO.   11. BLEVATIONS (Show whether br. kt. Gh. etc.)	12. CODMT! ON PARISH! 15. STATE
43-019-31325 Gr: 5576 RKB: 5602	Grand Utah
- 15 015 51525   GI: 5570 RdB: 5002	CECHICI CCCI
16. Check Appropriate Box To Indicate Nature of Notice, Report	, or Other Data
NOTICE OF INTENTION TO:	VELOUNT ERPORT OF:
CONCIDE	VT-111
TEST WATER BEUT-OFF PULL ON ALTER CASING MATERIAL THE	REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CARING
RHOOT OF TCIDIZE TO THE TOTAL OF TCIDIZE	HG ABTHDONNEHL.
REPAIR WELL CHANGE PLANS (Other) NTL-4	A Reporting
(Note: Report	results of multiple completion on Well Recompletion Report and Log form.)
Pursuant to the reporting requirements of NTL-4A Columbia reports the following occurance:  On the morning of 11/9/91 less than ten (10) barrowith soap were blown over the pit wall at the abordocation. The greyish color of the fluid was duformation.  The fluid was allowed to air dry and is currently cleaned up.  Vernal notification of incident was made to Mr. Lynn Jackson of the fluid was allowed to air dry and is currently cleaned up.	els of fresh water ve captioned e to residual being
district ofc. on 11/9/91.	BECENVED.
	NOV 1 8 1991
	DIVISION OF OIL GAS & MINING
SIGNED WY . Reese TITLE Regulatory Clerk	DATE 11/13/91
(This space for Federal or State office pac)	
APPROVED EY TITLE TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL	DATE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any talks, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

- BUR!	EAU OF LAND MANAGEMEN	<b>र</b> т	53626
SUNDRY NO		back to a different reserve	N/A
			T. UNIT AGREEMENT NAME
OFL CAR OTREE			Kane Springs Federal Un
HAME OF OPERATOR			S. PARK OF LEAST NAME
Columbia Gas Develo	mment Corporation		Kane Springs Federal
ADDELSA OF OPERATOR		_	S. WALL MG.
P. O. Box 1350	Hou., TX. 772 <b>61-11</b>	PILIDEVILVE	#19-1A ST
Incation or will (hejort idealion See also apuce 17 below.) At aurisce	D Clearly and to accordance with	HITTENIA	Wildcat
			11. HRC., T., L., M., OR BLK. AND EDETST ON AREA
800' FSL & 1918' FE	L of Sec. 19-T26S-R20	E	Sec. 19-T26S-R20E
4. PERMIT NO.	IL ELEVATIONS (Show whether	DT, RT, Ck, etc.)	12. COUNTY OF PARISH 12. STATE
43-019-31324	Gr: 5965		Grand Utah
		Nature of Notice, Report, or C	Deb D-1-
		•	
HOTICE OF IN	TENTION TO:	#Ub-EEO	DERT ESPORT OF:
TEST WATER BEUT-OFF	PULL OR ALTER CASING	WATER EMET-OFF	EFFAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CABING
RHOOT OR ACIDIZE	ADANDON.	ACTIVITY F	Eport ABANDONNENT'
(Other)	CHANCE PLANS	(Other)	s of multiple completion on Well
See	attached for daily ac	tivity report.	PREGISTE
			NOV 2 1 1991
			DIVISION OF
			OIL GAS & MINING
SIGNED Aline A. Rees	. KUX)	Regulatory Clerk	DATE 11/18/91
(This space for Federal or State	office paej		
, 222 AFRE WY			
APPROVED ET	TITLE		DATE
CONDITIONS OF APPROVAL, I			

#### KANE SPRINGS FEDERAL #19-1A ST SEC.19-T26S-R20E GRAND COUNTY, UTAH

#### DAILY ACTIVITTY REPORT

### CONFIDENTIAL

11/11/91	RIH W/TBG. & SET IN PKR @ 3780', MU TREE & TEST, SDFN.
11/12/91	OPEN WELL, TEST LINES TO 5000#, WELL FLOWING.
11/13/91	FLOW TESTED WELL.
11/14/91	RIG DOWN & CLEAR LOCATION
11/15/91	HEAT & LOAD OUT OIL. FIRST OIL SALE.
11/16/91	FINAL REPORT - WAITING ON PRODUCTION EQUIPMENT.

BUREAU OF LAND MANAGEMENT	SFC:50678 BHL:U-48351
SUNDRY NOTICE AND REPORTS ON WELLS  (100 BOT MAR TOTAL FOR PROPOSALS TO STREET OF PERMIT—" FOR SHEET PROPOSALS.)	N/A
	T. UNIT AGREEMENT NAME
OTL X CAR OTRES	Kane Springs Federal Unit
NAME OF OPERATOR	E. PARK OR LEAST NAME
Columbia Gas Development Corporation 713/871-3400	Kane Springs Federal
2. ADDELSE OF OFFEATOL	S. WELL MO.
P. O. Box 1350 Hou., TX. 77251-1350	#28-1
4. LOCATION OF WELL (Nelsort location clearly and in accordance with any State requirements."  See also apace 17 below.)  At auriace	Wildcat
1900' FSL & 1900' FEL of Sec.28-T25S-R19E	12. BEC. T. E. M. OR RLE. AND BUEVET ON AREA
	Sec.28-T25S-R19E
14. PERMIT NO.   14. ELEVATIONS (Show whether Dr. RT. Oh. etc.)	12. COUNTY OR PARISH 15. STATE
43-019-31325 Gr: 5576 RKB: 5602	Grand Utah
Check Appropriate Box To Indicate Nature of Notice, Report, o	or Other Data
NOTICE OF INTENTION TO:	RECORNT REPORT OF:
TEST WATER BBUT-OFF PULL ON ALTER CASING WATER SHOT-OFF	REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENT	ALTERING CABING
ENOOT OF TCIDISE TO THE TOTAL THE TO	AMANDONMENT*
	ty Report
(Other) (NOTE: Report re	suits of multiple completion on Well completion Report and Log form.)
See attached for activity report	NFIDENTIAL
• •	BEODIL EU
	NOV 2 1 1991
	DIVISION OF OIL GAS & MINING
SIGNED Aline A. Reese TITLE Regulatory Clerk	DATE 11/18/91
(This space for Federal or State office use)	
APPROVED BY TITLE TOTAL CONDITIONS OF APPROVAL, IF ANY:	DATE
· — · · · · · · · · · · · · · · · · · ·	

#### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

#### DAILY ACTIVITY REPORT

### CONFIDENTIAL

11/11/91	DRL TO 3600', LS @ 3521' 1 DEG.
11/12/91	DRL TO 3621', ST 20 STDS., DRL TO 3950'.
11/13/91	DRL TO 4350', SURVEYS @ 4020' 2 DEG. & 4168' 2 DEG.
11/14/91	DRL TO 4395', POH & PREPARE TO RUN CSG., RIH W/13-3/8" CSG TO 4395', R/D CSG CREWS, GIH, SURVEY @ 4333' 3 DEG.
11/15/91	CMT 13-3/8" W/170 SX LITE @ 12.5 PPG & 365 SX CL"G" NEAT @ 15.8 PPG., TST CSG., NU BOP'S.
11/16/91	FIN NU & TST BOP'S, DRL FC & SHOE.
11/17/91	TST SHOE @ 16.9 EMW TO 1720#, CCM DRL TO 4450'.



November 18, 1991

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE P. O. BOX 970 MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #19-1A ST

SEC. 19-T26S-R20E GRAND CO., UTAH

KANE SPRINGS FEDERAL #28-1

SEC. 28-T25S-R19E GRAND CO., UTAH

Dear Mr. Manchester:

Please find enclosed Columbia's Sundry Notices regarding the daily activity reports at the above referenced locations.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

AAR Enclosures

cc: State of Utah Ofc. of Natural Resources
Oil, Gas & Mining - Mr. R. J. Firth

NOV 2 1 1991

DIVISION OF OIL GAS & MINING



December 3, 1991

#### VIA AIRBORNE EXPRESS

Bureau of Land Management

Attn: Dale Manchester

82 E. Dogwood Moab, UT 84532

State of Utah

Attn: R. J. Firth 355 W. N. Temple

3 Triad Center, Ste. 350

Salt Lake City, UT 84180-1203

REFERENCE: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS #28-1 SEC. 28-T25S-R19E GRAND COUNTY, UTAH

#### Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

DIVISION CT

OIL GAS & MINING

Should you have any questions, or require additional information, please contact me at 713/871-3400.

Very Truly Yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Trisha M. DiClementi

Regulatory Coordinator

TMD

Enclosure

BUREAU	OF LAND MANAGE	MENT		SFC:50678 BH	L:U-48351
SUNDRY NOTI	AND REPORT OF FOR PERMIT—" for	r plug back	to a different reser .	N/A	OL TEIBL NAME
1.				7. UNIT AGREEMENT AAR	W.K.
OIL A WELL OTHER				Kane Springs	
Columbia Gas Development	Corporation	712	′871 <b>–</b> 3400	Kane Springs	Federal
3. ADDRESS OF OFFERTOL	corporacion		871-3400	S. WALL MG.	- Cacrar
P. O. Box 1350, Houston,	rrx 77251-1350	)		#28-1	
4. LOCATION OF WELL (Report location clear	7 and to accordance w	ILL ADS SLAT	e requirements."	10. FIELD AND POOL, OF	WILDCAT
hee aim space 17 below.) At surface				Wildcat	
1900' FSL & 1900' FEL	of Sec.28-T259	S-R19E		11. SEC., T., R., M., OA B. SURVET ON AREA	LK, AND
				Sec. 28-T25S-R	
14. PERMIT NO.	L. ELEVATIONS (Show WE	elber DF, KT,	Ch. elc.)	12. COUNTY OF PARIET	
43-019-31325	Gr: 5576	RKB:	5602	Grand	Utah
The Check Appro	priate Box To Indi	cale Natu	re of Notice, Report, o	r Other Data	
NOTICE OF INTENTIO		,		EQUENT EMPORT OF :	
		7 l		REPAIRING W	
	OR ALTER CASING	-	WATER ENCY-OFF		<u> </u>
	TIPLE COMPLETE	-	PRACTURE TREATMENT BROOTING OR ACIDIZING	ALTERING CA	<del> </del>
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				Pals GL	
				DEC 0 4 19	91
				DIVISION O	
				Oli Car	
SIGNED Trisha M. DiCleme	nti	Regu]	latory Coordinato	r _{DATE} 12/3/	91
(This space for Federal or State office t	186)				<del>-</del>
APPROVED ET		Æ		DATE	
CONDITIONS OF APPROVAL, IF AND	:				

#### KANE SPRINGS FEDERAL #28-1 SEC. 28-T25S-R19E GRAND COUNTY, UTAH

#### DAILY ACTIVITY REPORT

- 11/18/91 DRL TO 4585'.
- 11/19/91 DRL TO 4974'. SURVEY AT 4900' 2-3/4 DEG. DRL TO 5005'.
- 11/20/91 DRL TO 5119'. LOST PRESSURE. POOH & LEFT FISH IN HOLE.
- 11/21/91 POOH W/FISH. DRL TO 5242'.
- 11/22/91 DRL TO 5360'.
- 11/23/91 DRL TO 5476'. SURVEY AT 5400' 3-1/2 DEG. DRL TO 5735'.
- 11/24/91 DRL TO 5916'. CIRC OUT. SURVEY 5854' 4 DEG. DRL TO 6050'.
- 11/25/91 DRL TO 6075'. CIRC.
- 11/26/91 DRL TO 6392'. SURVEY AT 6317' 6-1/4 DEG. DRL TO 6535'.
- 11/27/91 DRL TO 6872'. SURVEY AT 6872' 8 DEG. S13W. DRL TO 7085'.
- 11/28/91 DRL TO 7235'. CIRC & COND HOLE. RUN SURVEY SHOTS. LOG WELL.
- 11/29/91 LOGGED WELL.
- 11/30/91 RUN SURVEY.
- 12/01/91 FINISH LOGGING. CCM.
- 12/02/91 MIX & PUMP 705 SX CL G. SET CMT PLUG F/7253'-6450'. POOH. CIRC.

DEC 0 4 1991

DIVISION OF OIL GAS & MINING



December 3, 1991

#### VIA AIRBORNE EXPRESS



DIVISION OF OIL GAS & MINING

BUREAU OF LAND MANAGEMENT MOAB DISTRICT OFFICE P. O. BOX 970 MOAB, UTAH 84532

Attention: Mr. Eric Jones

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1

SEC.28-T25S-R19E GRAND COUNTY, UTAH

Dear Mr. Jones:

Pursuant to our conversation of 12/2/91, please find enclosed an original and two copies of Columbia's Sundry Notice regarding the above referenced location.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese Regulatory Clerk

AAR

Enclosure

cc: State of Utah Ofc. of Natural Resources
Division of Oil, Gas & Mining - Mr. R. J. Firth

SUNDRY N		LGEMENT		<u>SFC:</u> 50678	BHL: U-4835
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011 KJ 648				7. UNIT AGREEMENT	
ART TO ARTY OLD	I.E.L			Kane Springs	<u>Federal Uni</u>
HAME OF OPERATOR				S. FARM OR LEAST D	AME
Columbia <u>Gas Develo</u>	pment Corporation	l		<u> Kane Springs</u>	<u>Federal</u>
ADDRESS OF OPERATOR				S. WALL MG.	
	lou., TX. 77251-1			#28-1	
See BING apuce 17 below.)	tion clearly and in accordance	* WILL ADY STATE	requirements."	10. FIELD AND POOL	OL WILDCAT
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				Sec. 28-T25	S-R19E
PERMIT NO.	14. ELEVATIONS (Show	r whether DT, RT,	SL, ELC.)	12. COUNTY OR PAR	BH 15. STATE
43-019-31325	Ground 55	576 RKI	3 5602	Grand	Utah
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	CHANGE PLANE			tus report.	
Other)	CHARGE TEARS		(Nore: Report rest	ults of multiple completion pletion Report and Lor	DD OD Well
Clean out o	nt plug from 7250' cement to KOP @ 67 off @ 6770' to pro	770 <b>'</b>	. CON	FIDENTIAL	
				DEC 0 6 199	
				<u>-</u>	
				DIVISION OF OIL GAS & MIN	ING
I hereby certify into the fores	TOTAL TRUE AND COTTEST	Re	gulatory Clerk	10	/3 /91
I hereby corting into the force, SIGNED WILL,	KINIC.	Re	gulatory Clerk	DATE 12	/3/91
Mircist	KUISO	Re	gulatory Clerk	DATE 12,	/3/91
				DIVISION OF OIL GAS & MIN	ING

(Farmerly 9-331) DEI ARTH	NAM DAN	AGEMENT	^	Sfc.:50678	BHL: 48351	
SUNDRY NOTIC	ES AND REF	ORTS O	rt to a dinorent reservoit.	6. IF INDIAN, ALLOTS N/A	EL OR TRIBE NAME	
Um "APPLICA"	ION FOR PERMIT	for such pro	posais.)	7. UNIT AGREEMENT	MAME	
OIL TY GAS				F ***	Federal Unit	
WELL EN WELL OTREE				E. PARM OR LEASE N		
Columbia Gas Developmen	t Corporation	n		Kane Springs	Federal	
3. ADDRESS OF OPERATOR				#28-1		
P. O. Box 1350 Hou.	, TX. 77251-	-1350	713/871-3400	10. FIELD AND POOL	ON WILDCAT	
4. LOCATION OF WELL (Report location cie See aim spuce 17 below.) At surface	Afiy and to accordan	ier wild adj s	tate requirements.	Wildcat	L Company of the Comp	
At suffect				11. SEC., T., A., K., O. SDRYET OR AR		
1900' FSL & 1900' FEL o	f Sec.28-T259	S-R19E		Sec. 28-T25S-		
14. PERMIT NO.	IL ELEVATIONS (SEC	ow whether or,	RT, GA, etc.)	12. COUNTY OR PART	<b>I</b>	
43-019-31325	Gr: 5576	RKB:	5602	Grand	Utah	
16. Check Ap	propriete Box To	Indicate No	sture of Notice, Report,	or Other Data		
NOTICE OF INTERN		ţ	and the second s	REEQUENT EMPORT OF:		
FRACTURE TREAT	CLL OR ALTER CASING ULTIPLE COMPLETE BANDON* HANGE PLANE (ATIONS (C)COPTY BIOL		(Nore: Report r Completion or Re	equits of multiple completi- recompletion Report and Log dates including estimated	OD OF Well OD OF Well date of Starting ED7	
nent to this work.)*  ** S	ee attached :	for dail	y activity report	CONFIDENTI	AL	
				CELLY EU		
				DIVISION OF . GAS & MINING		
18. I beredy certify that the foregoing to SIGNED  Aline A. Reese (This space for Federal or State off)	<u> </u>	TITLER	egulatory Clerk	DATE CZ	10/4!	

TITLE ....

DATE ____

#### KANE SPRINGS FEDERAL #28-1 SEC. 28-T25S-R19E GRAND COUNTY, UTAH

#### DAILY ACTIVITY REPORT

### CONFIDENTIAL

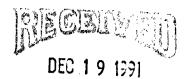
12/3/91	POH, TEST BOPE, TIH, CIRC, DRL CMT F:6495' TO 6760', MW 15.2+
12/4/91	DRL CMT TO 6775', KOP @ 6775', CIRC, TFBHA, ORIENT DRL TO 6778', MW 15.3
12/5/91	DRL TO 6868', MW 15.2
	1 58.511)
12/6/91	N. 58-5 W ORIENT DRL TO 7008', LS @ 6935' 17.6 DEG.?
12/7/91	DRL TO 7013, TFN/BIT, FIH TO6762', DRL TO 7033', MW 15.3
12/8/91	DRL TO 7175', MW 15.3, LS @ 7125' 35.4 DEG. N-19.3-W

DEC 1 3 1991

DIVISION OF OIL GAS & MINING



December 17, 1991



DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS #28-1 SEC. 28-T25S-R19E GRAND COUNTY, UTAH

#### Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very Truly Yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

# DEPARTMENT OF NATURAL RESOURCES



DI	ISION OF OIL, GAS, AND MI	NING	SFC:50678 BHL:U-48351
	<del></del>		SPEC. SOO / BILL: U-40551
SUNDRY N (Do not use this form for p Use "AP	OTICES AND REPORTS ( roposals to drill or to deepen or plug to PLICATION FOR PERMIT—" for such p	ON WELLS back to a different reservoir.	N/A
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WELL WELL OTRI		4	kane Springs Federal Un
. NAME OF OPERATOR			. FARM OR LEAST HAMB
	elopment Corporation	i	Kane Springs Federal
P. O. Box 1350, I	Jourton Toyas 7725	1-1350	#28-1
			(). FIELD AND POOL, OR WILDCAT
See also space 17 below.)	ion clearly and in accordance with any	- Total Control of the Control of th	Wildcat
0001 2 TEST 10001	FEL of Sec.28-T25S	-R19E	11. SEC., T., A., M., OR BLE. AND SURVEY OR ARBA
1900 FSL & 1900	111 0 500.10 1155		Sec.28-T25S-R19E
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		B: 5602	_
43-019-31325			Grand   Utah
^{6.} Check	: Appropriate Box To Indicate N	Nature of Notice, Report, or Oth	ier Data
NOTICE OF 1	NTENTION TO:	KEUPRARUS	T EMPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
PRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOUTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other) Activity R	eport
(Other)	Li	(Nors: Report results of Completion or Recompleti	multiple completion on Well on Report and Log form.)
		L	CONFIDENTIAL
			CBIN
			The state of the s
			DEC-1 9 1391
			DIVISION OF GAS & MINING
BIGNED Wendy XI	Sormeaux Title Re	gulatory Coordinato	r DATE 12/17/91
(This space for Federal or Sta			
· ·			DATE
COMPANY OF APPROVAL	TITLE		

#### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

12/9/91	Drilled to 7247'. Trip for new MWD tool. Last survey: 7187' - 43.9° - N 19.1° W
12/10/91	Drilled to 7369'. Trip for new BHA. Last survey: 7314' - 63.5° - N 13.9° W
12/11/91	Drilled to 7499'. Mud weight 15.1 ppg. Last survey: 7411' - 71.2° - N 13.5° W
12/12/91	Drilled to 7687'. CBU. ST 10 stds. Last survey: 7599' - 70.6° - N 13.5° W
12/13/91	Rig repair. Ream @ 7116'. Logging.
12/14/91	Ream 7116-7687'. Increase mud wt. to 15.5.  10 std short trip. RU. Prepare to run 9-5/8" csg.
12/15/91	Set 9-5/8" @ 7687'. Cmt w/1210 sks Class G mixed at 16.2 ppg. Test BOP's.
	Approx. 117 bbls oil base mud spilled and contained on drill pad inside firewall. Area affected: cellar. Spill pumped to reserve pit. Procedure witnessed by Fred Oneyear.
12/16/91	Drilled to 7697'. Test BOPE. Test csg to 500#. Drill cmt & shoe from 7610-7685'. Prepare to core.

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BUREAU O AND MANAGEMENT	SFC:50678 BHL:U-48351
SUNDRY NOTICE AND REPORTS ON WELLS	E IF IRDIAN, ALLOTTEL OF TRISE NAME
(the not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	
on X 645	Kane Springs Federal Ur
MELL OTREX	E. FARM OF LEAST MANE
Columbia Gas Development Corp.	Kane Springs Federal
ANDELSK OF OFFERTOL	#28-1
P. O. Box 1350 Hou., TX. 77251-1350 LOCATION OF WELL (helport location clearly and in accordance with any State requirements.*	10. FIELD AND POOL, OF WILDCAT
See also apuce 17 below.) At surface	Wildcat
800' FSL & 1918' FEL of Sec. 28	11. SEC., I., E., M., OR BLE, AND SDEVKY OR AREA
	Sec. 28-T255-R19E
PERMIT NO.   14. ELEVATIONS (Show whether Dr. RT. GA. etc.)	12. COUNTY OF PARISH 12. STATE
43-019-31325 Gr: 5576 RKB: 5602	Grand Utah
. Check Appropriate Box To Indicate Nature of Notice, Repor	rt, or Other Data
NOTICE OF INTENTION TO:	SUMMEDDENT MEPORT OF:
TEST WATER SBUT-OFF PELL OR ALTER CASING WATER SHET-OFF	REPAIRING WELL
FRACTURE TREAT  MULTIPLE COMPLETE  FRACTURE TREATMEN	NT ALTERING CABING
	y activity report
EHOOT OF TCIDITE ADVANCON. ABOUTING OF TCIDIT	
BEPAIR WELL CHANCE TLANS (Other) Weekl	
BEPAIR WELL CHANCE TLANS (Other) Weekl	i results of multiple completion on Well Recompletion Report and Log form.)
REPAIR WELL  (Other)  CHANCE PLANE  (Other)  (Note: Report Completion or Completion or Personal Proposed work. If well is directionally drilled, give subsurface locations and measured and true	i results of multiple completion on Well Recompletion Report and Lor form.)  ni dates, including estimated date of starting any ne vertical depths for all markers and zones perti-
REPAIR WELL  (Other)  (Other)  (Note: Report Completion or Completion or Completion or proposed work. If well is directionally drilled, give subsurface locations and measured and trunent to this work.)	i results of multiple completion on Well Recompletion Report and Log form.)  ni dates, including estimated date of starting any ne vertical depths for all markers and somes perti-
REPAIR WELL  (Other)  (Other)  (Note: Report Completion or Completion or Completion or proposed work. If well is directionally drilled, give subsurface locations and measured and trunent to this work.)	i results of multiple completion on Well Recompletion Report and Lor form.)  ni dates, including estimated date of starting any ne vertical depths for all markers and zones perti-
REPAIR WELL  (Other)  (Other)  (Note: Report Completion or Completion or Completion or proposed work. If well is directionally drilled, give subsurface locations and measured and trunent to this work.)	DEC 2 7 1991  DIVISION C.
REPAIR WELL  (Other)  (Other)  (Note: Report Completion or Discount of Completion of Completion of Proposed work. If well is directionally drilled, give subsurface locations and measured and trunnent to this work.)	DEC 2 7 1991  DIVISION C.
REPAIR WELL  (Other)  (Other)  (Note: Report Completion or Describe Proposed work.)  (Other)  (Note: Report Completion or Describe Proposed work.)  (Other)  (Note: Report Completion or Describe Proposed Work.)	DEC 2 7 1991  DIVISION C:
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REPAIR WELL  (Other)  (Other)  (Note: Report Completion or DENATIONS (Clearly Elste all partitions details, and give pertiber proposed work. If well is directionally drilled, give subsurface locations and measured and trunent to this work.)	DEC 2 7 1991  DIVISION Of OIL GAS & MINING

DATE _

#### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

#### DAILY ACTIVITY REPORT

CONFIDENTIAL

12/17/91	FOH, TIH, WASH & REAM F:7550'-7967', MW 15.6.
12/18/91	REAM & SLIDE F:7675'-7765', MW 15.6.
12/19/91	SLIDE TO 7788', TFN/MM, LS @ 7737' 72.2 DEG. N-13.2-W
12/20/91	SLIDE & DRL TO 7842', LS @ 7787' 79.4 DEG. N-13.5-W
12/21/91	SLIDE & DRL TO 7961', LS @ 7881' 79.1 DEG. N-13.5-W
12/22/91	SLIDE & DRL TO 8027', TFN/BHA, SLIDE TO 8030'



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UT 84180-1203

DIVISION OF OIL GAS & MINING

#### REPORT OF WATER ENCOUNTERED DURING DRILLING

43-019-31325

Well Name & Number_	Kane Springs	#28-1			
Operator Columbia	Gas Developme	nt Address	P.O. Box 1350,	Houston,	rx 77251
Contractor Grace D	ril⊥ing Compa	ny Address	P.O. Box 51716,	Lafayette,	,LA 70505
Location NW 1/4	SE 1/4 Sec.	28 T. 25S	R. 19E Count	y Grand	
Water Sands					
<u>Depth</u>		Volume	Quality	<u>′</u>	
From To	Flow	Rate or Head	Fresh or S	Salty	
1. 450 - 45	7 TSTM	<u> </u>	•		
2. 2137 - 238	5 60-8	0 Bbls/Hour	Salty		
3					
4					
5			·		
(	Continue on rev	verse side if ne	cessary)		

#### Formation Tops

#### Remarks

- NOTE: (a) Report on this form as provided for in Rule 806, Oil and Gas Conservation General Rules.
  - (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

# DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

Columbia Gas Development Corporation 713/871-3400  Kane Springs Federal Labelland Gas Development Corporation 77251-1350  Labelland Federal Labelland Gas Development Corporation 77251-1350  Labelland Federal Labelland Gas Development Gas Development Corporation of the	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	SFC:50678 BHL:U-483
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Columbia Gas Development Corporation 713/871-3400 Kane Springs Federal  LOBIAS OF GRANTES  P. O. Box 1350, Houston, Texas 77251-1350 #28-1  Corrier of Vall (About Incentive Columbia C	VELL VX WELL OTHER	kane Springs Federal
P. O. Box 1350, Houston, Texas 77251-1350    P. O. Box 1350, Houston, Texas 77251-1350   428-1	<del>-</del>	= -
DECITION OF WILL LABOUR IDEALISE distrift and in accordance with any flutal requiremental.  1900' FSL & 1900' FEL of Sec. 28-T25S-R19E  1900' FSL & 1900' FEL of Sec. 28-T25S-R19E  11. Sec. v. v. on all. and 11. sec. v. v. on all. and 11. sec. v. v. on all. and 11. sec. v. v. v. on all v. v. v. on all v. v. on all v. v. v. on all v. v. v. on all v. v. v. v. v. on all v. v. v. v. v. v. v. on all v.		
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# DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING



DIVISION OF OIL, GAS, AND MINING	SFC:50678 BHL:U-4835
	6. IF INDIAN, ALLOTTER OF TRIDE NAME
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  "Use "APPLICATION FOR PERMIT—" for seek proposals.)	N/A
OM "APPLICATION FOR PERSON— for such proposals.)	T. UNIT AGEREMBNY HAME
ORL QAE OTHER	Kane Springs Federal
NAME OF OPERATOR	<b>1</b>
Columbia Gas Development Corporation 713/871-3400	Kane Springs Federal
P. O. Box 1350, Houston, Texas 77251-1350	#28-1
	1D. FIELD AND POOL, OR WILDCAT
LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*	Wildcat
At surface	11. SEC. I. E. M. OF BLE. AND
1900' FSL & 1900' FEL of Sec.28-T25S-R19E	
	Sec.28-T25S-R19E
PERMIT NO.   11. REVATIONS (Show whether Dr. ET. GL. SIG.)	12. COUNTY OR PARISH 13. STATE
43-019-31325 Gr: 5576 RKB: 5602	Grand Utah
Check Appropriate Box To Indicate Nature of Natice, Report, or	Other Data
	UBRY ERFORT OF:
NOTICE OF INTENTION TO:	REPAIRING WELL
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JAN 0 3 1992

DIVISION CF OIL GAS & MINING

December 31, 1991

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 Sec.28-T25S-R19E Grand County, Utah

#### Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. Desormeaux

Regulatory Coordinator

WGD

Enclosure

## DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING



	ISION OF OIL, GAS, A	·		3. LE	ASS DESIGNATION	AND BERIAL NO.
5.4	IDION OF OIL, GAS, A	ALL MINATING		SF	C:50678	BHL:U-483
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NAME OF OPERATOR	<del></del>				RM OR LEASE HAM	
Columbia Gas Deve	elopment Corpor	ation		Kan	e Springs	Federal
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#### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

### CONFIDENTIAL

12/23/91	Slide to 8116'. POOH for 3/4 deg mtr. LS 8064' 84.7 deg N-12.1-W
12/24/91	Ream & slide to 8142'. MW 16.4
12/25/91	Slide to 8145'. Drilled to 8218'. Cut MW to 16.2. LS 8159' 92.2 deg N-10.7-W
12/26/91	Slide to 8260'. LS 8187' 91.6 deg N-10.7-W
12/27/91	Slide & drill to 8292'. LS 8214' 90.7 deg N-11.1-W
12/28/91	Drilled to 8405'. LS 8345' 94.5 deg N-11.1-W
12/29/91	Drilled to 8570'. LS 8503' 95.2 deg N-11.4-W
12/30/91	Drilled to 8665'. LS 8623' 99.8 deg N-11.8-W

#### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

#### DAILY ACTIVITY REPORT

CONFIDENTIAL

12/23/91	Slide to 8116'. POOH for 3/4 deg mtr. LS 8064' 84.7 deg N-12.1-W
12/24/91	Ream & slide to 8142'. MW 16.4
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12/29/91	Drilled to 8570'. LS 8503' 95.2 deg N-11.4-W
12/30/91	Drilled to 8665'. LS 8623' 99.8 deg N-11.8-W



Mecannell

JAN 0 9 1892

January 6, 1992

DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 Sec.28-T25S-R19E Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

## TE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

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DIVISION OF CIE, GAS, AND MINNING	SFC:50678 BHI.:U-48351
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(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	N/A
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Columbia Gas Development Corporation 713/871-3400	Kane Springs Federal
DDAMES OF GENETOL	S. WELL MG.
o. O. Box 1350, Houston, Texas 77251-1350	#28-1
OCATION OF WELL (Report location clearly and in accordance with any State requirements."	10. FIRLD AND POOL, OR WILDCAT
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1900 THE W 1900 THE OF Sec. 28 T235 Right	Sec. 26-1235-R19E
PERMIT NO.   15, BLEVATIONS (Show whether DI, NT, SL, etc.)	12. CODRTY OR PARISE 12. STATE
14. BLEVATIONS (Show whether Dr. Mt. BL. oil.)   3-019-31325   Gr: 5576 RKB: 5602	Grand Utah
	Od a Date
Check Appropriate Box To Indicate Nature of Notice, Report,	or Other Dara
NOTICE OF INTENTION TO:	ARQUENT EMPORT OF:
TRET WATER SEUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
PRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENT	ALTERING CASING
SMOOT OR ACIDIZE ABANDON* SNOUTING OR ACIDIZING	ABANDONMENT*
	· Adtassats Dopost IVV
REPAIR WELL	Activity Report XX
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#### KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

#### DAILY ACTIVITY REPORT

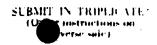
### CONFIDENTIAL

12/31/91	Drlg to 8685'. LS 8638' - 101.7° - N-11.8-W
1/1/92	GIH w/inflatable pkr. MW 16.3
1/2/92	Set 60' cmt plug w/21 sks C1G-Neat @ 15.8 ppg on top of pkr @ 8480'. Circ. POOH. PBTD 8420'. MW 16.4
1/3/92	Set pkr. Logged well. Testing BOPE. MW 16.3
1/4/92	Stung into pkr. RU to test.
1/5/92	Tested pkr, seal assy., KO plug, x-mas tree. Displacing hole w/CaCl2.



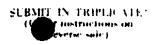
DIVISION OF OIL GAS & MINING

# DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING



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SUNDRY N			SFC: 50678	BHL:U-483
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ABIT KK AST D OLE	i.			
PAME OF OFERATOR			Kane Springs	rederal
COlumbia Gas Deve	elopment Corporation			
D O DOWN 1250			Kane Springs	rederal
	ouston, TX 77251-13		#28-1	
LOCATION OF WELL (Esport locate See also space 17 below.) At surface	ion clearly and in accordance with any	State requirements.*	10. FIELD AND POOL, OF	WILDCAT
800' FSL & 1918'	FEL of Section 28	,	11. SEC. T. A. M., OR BLI SURVEY OR AREA	L. AND
<u> </u>			Sec. 28-T25S-	-R19E
PERKIT RO.	11. BLEVATIONS (Show Whether St.	. ET. GA. etc.)	12. COUNTY OR PARISM	
43-019-31325	Gr: 5576 RKB: 5	5602	Grand	Utah
Charle	A Bau Ta Ladiana Ni	1		
	Appropriate Box To Indicate N	lature of Notice, Report, or (	Other Data	
XOTICE OF I	TERTION TO:	#Uhang	UBET EMPORT OF:	
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PRACTURE TREAT	MULTIPLE COMPLUTE	FRACTURE TREATMENT	ALTERING CAM	
BHOOT OR ACTUEL	ABANDON*	SHOUTING OR ACIDIZING	AAANUUM MENT*	· [
REPAIR WELL	CHANGE PLANS			` <del>                                    </del>
(Other) Plugback and	l Sidetrack v	(Other)(Note: Report result:	of multiple completion on letter Report and Log form.	Well-
+ 430' Cm+ r	800'-7570' (inside Plug, Class "G" Neat	3-5/8 csg set @ 7	687¹)	
Kickoff @ 787 To original E	/0', 79 deg, 346 N-l BHL @ <u>+</u> 10,070'MD	4 ~W	9/92. 10:30am	
Kickoff @ 787 To original E	70'. 79 dea 346 M-1	4 ~W	9/92, 10:30am	
Kickoff @ 787 To original E	/0', 79 deg, 346 N-l BHL @ <u>+</u> 10,070'MD	4-W le Manchester, 1/9		
Kickoff @ 787 To original E	/0', 79 deg, 346 N-l BHL @ <u>+</u> 10,070'MD	4 ~W		
Kickoff @ 787 To original E	/0', 79 deg, 346 N-l BHL @ <u>+</u> 10,070'MD	4-W le Manchester, 1/9		
Kickoff @ 787 To original E Verbal approv	70', 79 deg, 346 N-1 BHL @ <u>+</u> 10,070'MD al received from Dal	4-W le Manchester, 1/9	565 200	
Kickoff @ 787 To original E  Verbal approv  Verbal approv  Wereby certify that the foregoin	al received from Dal	4-W  Le Manchester, 1/9  JAN 1 3 1  DIVISION C	NING 665	2
Kickoff @ 787 To original E  Verbal approv	al received from Dal	JAN 131  DIVISION OIL GAS & MI	NING 665	2

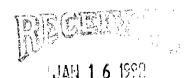
# DEPARTMENT OF NATURAL RESOURCES



DIV	VISION OF OIL, GAS, AND M	INING	5. LEASE DESIGNATION IND SERIAL MC.
			SFC: 50678 BHL:U-48
	OTICES AND REPORTS Proposals to drill or to deepen or plus Prication for Permit— for man		N/A
WELL EX WAS			T. UNIT AGREEMENT NAME
HAME OF OPERATOR			Kane Springs Federal
Columbia Gas Deve	elopment Corporation		E. FARM OR LEASE HAMB
ABBLESA OF OFENATOR	·		Kane Springs Federal
Р.О. Вох 1350, но	ouston, TX 77251-13	550	#28-1
LOCATION OF WELL (Report location also space 17 below.) At surface	lon clearly and in accordance with any	State requirements.	10. FISLD AND FOOL, OR WILDCAT Wildcat
300' FSL & 1918'	FEL of Section 28		11. SSC., I., E., K., OS BLE, AND SURVET OR AREA
·			Sec. 28-T25S-R19E
PERMIT NO. 43-019-31325	16. BLEVATIONS (Show whether B	F, ET. GA. 614.)	12. COUNTY OR PARISM   11. STATE
13-019-31325	Gr: 5576 RKB:	5602	Grand Utah
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TRET WATER SEUT-OFF	PULL OR ALTER CASINO	WATER ERUT-OFF	REPAIRING WELL
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REPAIR WELL	ABANDON"	SHOUTING OR ACIDIZING	ABANDONMENT*
===	THANGE PLANE :		
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Plugback @ +  + 430 Cmt. F  Kickoff @ 787	d Sidetrack X	(Note: Report results (Completion or Recompletion of Recompletion and five pertinent dates, stong and measured and true vertice)  9-5/8 csg set @ 7	ietion Report and Log form.) including estimated date of starting any all depths for all markers and zones perti-
Plugback @ +  + 430' Cmt. F  Kickoff @ 787	d Sidetrack X  D DPERATIONS (Clearly state all pertinen rectionally drilled give subsurface local  800'-7570' (inside Plug, Class "G" Neat	i Note: Report results ("minipletion or Recompletion or Recompletion or Recompletion and free pertinent dates. stone and measured and true vertice of the stone o	ietion Report and Log form.) Including estimated date of starting any all depths for all markers and zones perti-
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Plugback @ + + 430' Cmt. F Kickoff @ 787 To original B  Verbal approve	Sidetrack X  Diperations (Clearly state all pertinent rectionally difficed give subsurface local state all pertinent rectionally difficed give subsurface local state and correct rectional state and correct rections are stated as a second rection of the correct rections and correct rections are stated as a second rection and correct rections are stated as a second rection and correct rections are stated rectionally difference local rections are stated rectionally difference local rectional rectio	(Note: Report results (Completion or Recompletion or Recompletion or Recompletion and details) and give pertinent dates, sions and measured and true vertice.  9-5/8 csg set @ 76 4-W  le Manchester, 1/9	JAN 1 3 1992  DIVISION OF  DIL GAS & MINING



January 13, 1992



DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 Sec.28-T25S-R19E Grand County, Utah

#### Gentlemen:

Please find enclosed the required Sundry Notice documenting the spill which occurred on 1/11/92.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

# STATE OF UTAH DEPARTMENT F NATURAL RESOURCES DIVISION OF DIL. GAS. AND MINING

SUBMIT	1>	TRIPLIC	<b>₹ 1 F.</b>	•
(Other	r ees:	etrus i man	c pd t	

43-D19-31325 Gr: 5576 RKB: 5602 Grand Utan	_	DIVISION OF OIL, GAS, AND N	MINING	SFC: 50678	BHI.: U-48351
Settle   S					
Columbia Gas Development Corporation    Columbia Gas Development Corporation   Kane Springs Federal	OIL WARL				
DECEMBER 2005 DESCRIPTION TO SECURISH CONTROL OF THE PROPERTY	NAME OF OPSELTOR				
#28-1    DESCRIPTION OF VALLE (Alterit reclause country and in accordance with any black requirements."		Development Corporatio	n		S rederar
Wildcat  11. ***SECTION************************************	P. O. Box 135	0, Houston, TX			
As series  800' FSL & 1918' FEL of Section 28  11. **ELL. L. L. C. D. M. L. A. M. D. M. L. A. C. D. M. L. A. M. D. M.	LOCATION OF WELL (Aspe	rt location clearly and in accordance with a	ny State requirements."	1	DA WILDCAT
Sec. 28-T255-R19E  Sec. 28-T255-	At surface	•			BLE. AND
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Profice for presented To Indicate Nature of Notice, Report, or Other Data  Profice for presented To Indicate Nature of Notice, Report, or Other Data  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Profice of presented To Indicate Nature of Notice, Report, or Other Data  Profice of Profice Indicate Nature of Notice, Report, or Other Data  Profice of Profice Indicate Nature of Notice, Report, or Other Data  Profice Nature Teachers and Support or Security Support of Profice Indicate Nature Nature Cases  Indicate Nature Nature Nature Cases  Profice Nature Nature Nature Cases  Profice Nature Nature Nature Cases  Profice Nature Nature Nature Nature Cases  Profice Nature Nature Nature Nature Cases  Profice Nature Natu	800' FSL & 19	18' FEL of Section 28		BORARI OF TER	· <b>-</b>
Check Appropriet Box To Indicate Nature of Notice, Report, or Other Date  **NOTICE OF INTERPRETED TO!**  **TEST WATER SECTION THEAT THEAT SHAPON**  **PACTURE THEAT SHAPON**	·		·		
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data    Control	14. PERMIT NO.	[ -··· =	·	l ' _	1 _
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THET VATE REDTORY PLANT TO:  THE TATE SET VATE REDTORY POLL OF ALTER CASIMO PACTURE THAT THAT SAME CASIMO PACTURE THAT SAME CONTROL OF COUNTY SAME ASSESSMENT OF SAME SAME CASIMO PACTURE THAT SAME	16.	Check Appropriate Box To Indicate	Nature of Notice, Report, o	r Other Data	
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ANOTOT OR ACTIVITE  REPAIR WELL  (Other)  (Other				ALTERING	CARING
Other: Ot			SHOUTING OR ACIDIZING	1 1	<del>,</del>
Details Thurwhele on Conflicted Department of Confliction and Proposed were. In well is directionally critical proposed were. If well is directionally critical proposed were and true vertical depths for all markers and zones pertinant to this work.)  Date & Time of Occurrence: 1/11/92 - 2:30 PM Reported to BLM: 1/11/92 - 2:30 PM (Lynn Jackson). Site inspected by Mr. Jackson 1/12/92 - 10:00 AM  Damage: Approximately 70 Bbls freshwater (8000 ppm chlorides) leaked under fill of reserve pit covering a 155 sq. ft. area (55') below pit, 3' wide); outside of firewall  Action: Dike constructed behind pit and below leak to contain same. Using every available truck from Aable Trucking to pick up and haul to Cisco disposal.  DIVISION OF OIL GAS & MINING  IL I berety certify that the torgeting from the correct went of the contain of of		CHANGE PLANS	(Other)	wire of multiple completion	on Well
Date & Time of Occurrence: 1/11/92 - 2:30 PM Reported to BLM: 1/11/92 - 2:30 PM (Lynn Jackson). Site inspected by Mr. Jackson 1/12/92 - 10:00 AM  Damage: Approximately 70 Bbls freshwater (8000 ppm chlorides) leaked under fill of reserve pit covering a 155 sq. ft. area (55! below pit, 3' wide); outside of firewall  Action: Dike constructed behind pit and below leak to contain same. Using every available truck from Aable Trucking to pick up and haul to Cisco disposal.  DIVISION OF OIL CAS & MINING  11. 1 beresp certair that the topping a form that correct stormed will be a stormed and some party.  TITLE Regulatory Coordinator  DATE  DAT			i Commission of Keci	DESIMETION VENOTION PROPER	
under fill of reserve pit covering a 155 sq. ft. area (55) below pit, 3' wide); outside of firewall  Action: Dike constructed behind pit and below leak to contain same. Using every available truck from Aable Trucking to pick up and haul to Cisco disposal.  JAN 1 6 1992 CONFIDENTIAL  DIVISION OF OIL CAS & MINING  18. I beredy certify that the torophic of true field correct story of the content with the correct story. Described with the correct story of the content of	Reported	to BLM: 1/11/92 - 2:3	0 PM (Lynn Jacksor	i). Site inspe	cted by
Using every available truck from Aable Trucking to pick up and haul to Cisco disposal.  JAN 16 1992  CONFIDENTIAL  DIVISION OF OIL GAS & MINING  18. I hereby certity that the torseping of trucking to pick up  SIGNED Wendy S. Abstraces TITLE Regulatory Coordinator Wendy S. Desormedux  (This space for Federal or State office use)	Damage:	under fill of reserve	pit covering a 1:	ob sq. it. are	) leaked a (55!
DIVISION OF OIL GAS & MINING  18. 1 hereby certify that the forespine of true and correct  SIGNED Wendy X. Las Inneaux (This space for Federal of State office use)  DATE  DIVISION OF OIL GAS & MINING  Regulatory Coordinator DATE  DATE	Action:	. Using every available	truck from Aable	leak to contai Trucking to p	n same. Dick up
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OIL GAS & MINING  18. I bereby certify that the forespoint of true and correct grant winds. I be mean title Regulatory Coordinator DATE 1/13/92  (This space for Federal of State office use)		JAN 1 6 1992	CONFIDEN	NTIAL `	
(This space for Federal or State office use)  Regulatory Coordinator Date 17 13/12  Output  Date Date Date Date Date Date Date Date	٠	DIVISION OF OIL GAS & MINING			
DATE	18. I hereby certify that s	y X. Klokemeaux TITLE.	Regulatory Coordi	nator DATE 1	/13/92
	(This space for Feder	al of State office use)			
		TITLE		DATE	

# DEPARTMENT F NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

SUBMIT	15	1	KII	1.1	V I	ł. '
(Other						
				#*)		

	DIVISION OF OIL, GAS, AND	MINING	SFC: 50678	BHI. U-48351
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OUT WELL D	OTEN			s Federal Ut
NAME OF OPERATOR	UTABL		E. FARM OR LEASE HA	
Columbia Gas	Development Corporat:	ion	Kane Spring	s Federal
ADDRESS OF OFRIGTOR	0, Houston, TX		#28-1	
	·		10. FIELD AND POOL,	DE WILDCAT
LOCATION OF WELL (Repo See also space 17 below.) At surface	rt location clearly and in accordance wit	n any state requirements.	Wildcat	
800' FSL & 19	18' FEL of Section 2	8	BURYET OR ARE	<b>A</b>
		•	Sec.28-T25	S-R19E
	I II. BLEVATIONS (Show when	Cher Dr. Et. Ch. etc.)	12. CODRTY OR PARIS	M 12, STATE
43-019-31325		KB: 5602	Grand	Utah
16.	Check Appropriate Box To India	ate Nature of Notice, Report,	or Other Data	
TOK	ICL OF INTENTION TO !		REBOURNT ERPORT OF:	
	FULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
TEST WATER REUT-OFF	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING	EARING
PRACTURE TREAT SHOOT OR ACIDIZE	ABANDON*	SMOUTING OR ACIDIZING	АВАМОВНАВ	
REPAIR WELL	CHAPOE PLANS	(Other) Undes1	rable Event	X X
	UMPLETED UPERATIONS (Clearly state all Deadling discontinuity deflect give subsurface	1 Commission of SP	commetmu velvoi, and inter-	···
Reported	ime of Occurrence: 1/ to BLM: 1/11/92 - 2: ackson 1/12/92 - 10:0 Approximately 70 Bb	:30 PM (Lynn Jackso 00 AM 1s freshwater (8000	) ppm chlorides	) leaked
Damage:	under fill of reserved below pit, 3' wide)	ve pit covering a l; outside of firewa	.55 sq. rt. are all	a (55)
Action:	Dike constructed belusing every available and haul to Cisco d	le truck from Aable	leak to contai Trucking to p	n same. oick up
	RECEIVE	CONCIDE	AITINI S	
	JAN 1 6 1992	CONFIDE	NIIAL	
	DIVISION OF OIL GAS & MINIMO			
18. I hereby certify that  SIGNED WENGY	the foresping is true ind correct  Ly Charles and Title  G. Desormeaux	Regulatory Coord	inator DATE 1,	/13/92
(This space for Feder	rai or State office use)	<u> </u>		
APPROVED BY		LE	DATE	
Culturate, '48 OF AF	PROVAL IF ANT:			



January 13, 1992

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation Kane Springs #28-1

Sec.28-T25S-R19E Grand County, Utah

### Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy W. WeoCrmeaux Wendy G. DesOrmeaux Regulatory Coordinator

WGD

Enclosure

JAN 1 6 1992

DIVISION OF OIL GAS & MINING

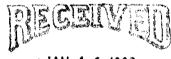
# STATE OF UTAH DEPARTMENT F NATURAL RESOURCES DIVISION OF DIL. GAS. AND MINING

SUBMIT	IN.	ľ	RIPLE	١I	ł. *
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_		***	meter)		

DIVISION OF DIL, GAS, AND MINING	SFC: 50678 B	HL:U-43851
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different receivable.  UM "APPLICATION FOR PERMIT—" for such proposals.)	N/A	
VILL	Kane Springs	Federal Ut
Columbia Gas Development Corporation	Kane Spring	
P. O. Box 1350, Houston, TX 77251-1350	#28-1	A WILDCAT
LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  See also space 17 below.)  At surface  800 FSL & 1918 FEL of Section 28	Wildcat  11. asc. 2. h. H. OR SURVEY OR ASSA  Sec. 28-T25  12. CODHII OR PARISE	S-R19E
43-019-31325 Gr: 5576 RKB: 5602	Grand Other Data	Utah
TRET WATER SEUT-OFF PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLUTE SHOOT OR ACIDIZE ABANDON*  RUPAIR WELL CHANGE PLANS (Other) Weekly AC	REPAIRING ALTERING ALTERING CALANDONNE	ARIMO INTO  TO Wall
(Other) Completion of Recomb	16£100 V.c.m	

17. DESCRIBE PROPORED ON COMPLETED OPERATIONS (Clearly State all pertinent details, and give pertinent dates, including estimated date of the proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR ACTIVITY REPORT



JAN 1 6 1992

DIVISION OF OIL GAS & MINING

SIGNED Wendy G. Desormeaux Wendy G. Desormeaux	TITLE Regulatory Coordinator	DATE
(This space for Federal or State office use)  APPROVED BY CUMBIAL WE OF APPROVAL IF ANY:	TITLE	DATE

## KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

### DAILY ACTIVITY REPORT

1/6/92	Finish displacing 16.3# mud $w/11.6$ CaCl ₂ . Test annulus $w/1000$ #. WO swabbing unit.
1/7/92	Swabbed well to 4800.
1/8/92	Swabbed well to 7350'. NU 13-5/8" BOP stack. MW 16.3
1/9/92	Testing BOPE. Verbal notification to Dale Manchester 10:00 am 1/9/92 - on location @ 4:00 pm.
1/10/92	Finish testing BOPE. POOH w/pkr. Milling on Model "D" pkr. MW 15.4
1/11/92	Reaming f/7906-8217'. POOH f/2-7/8" tbg stinger.
1/12/92	Cement w/207 sks "G" cmt, 15.8 ppg. WOC. MW 15.5

# CONFIDENTIAL



DIVISION OF OIL GAS & MINING

## KANE SPRINGS FEDERAL #28-1 SEC.28-T258-R19E GRAND COUNTY, UTAH

# DAILY ACTIVITY REPORT

1/6/92	Finish displacing 16.3 $\#$ mud $\#$ /11.6 CaCl $_2$ . Test annulus $\#$ /1000 $\#$ . $\#$ 0 swabbing unit.
1/7/92	Swabbed well to 4800.
1/8/92	Swabbed well to 7350'. NU 13-5/8" BOP stack. MW 16.3
1/9/92	Testing BOPE. Verbal notification to Dale Manchester 10:00 am 1/9/92 - on location @ 4:00 pm.
1/10/92	Finish testing BOPE. POOH w/pkr. Milling on Model "D" pkr. MW 15.4
1/11/92	Reaming f/7906-8217'. POOH f/2-7/8" tbg stinger.
1/12/92	Cement w/207 sks "G" cmt, 15.8 ppg. WOC. MW 15.5



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(Other metroctions	1361
Proceeding	

	r seir)	
DEPARTMENT NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	SFC: 50678	BHL: U-43851
	6. IF INDIAN, ALLOTT	ER OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS  [Do not use this form for proposals to drill or to deepen or plug back to a different received.]  [Do not use this form for proposals.]	N/A	_
I.	T. UNIT AGESEMBRY	MAMB
OIL WAS OTHER		s Federal Ut
2. HAME OF OPERATOR	E. FARM OR LBARE N	
Columbia Gas Development Corporation	Kane Sprin	gs Federal
P. O. Box 1350, Houston, TX 77251-1350	#28-1	
	10. FIRLD AND FOOL,	DA WILDCAT
4. LOCATION OF WELL (Report location clearly and in accordance with any fitate requirements.*  See also space 17 below.)  At surface	Wildcat	
At suries	11. SEC., T., P., M., O	R BLE. AND
800' FSL & 1918' FEL of Section 28	Sec. 28-T2	
	12. CODRTY OR PARK	
14. PERMIT NO.   11. REPVATIONS (Show whether BF. RT. GL. vic.)   Gr: 5576 RKB: 5602		Utah
43-019-31325 GI: 3370 RRB: 3002	Grand	[Utail
16. Check Appropriate Box To Indicate Nature of Notice, Report, o	ir Other Data	
NOTICE OF INTENTION TO:	SPOURNT ERPORT OF:	
	RETAILIN	O WELL
TEST WATER SHUT-OFF	ALTERING	CARING
PRACTICE TRACE	ABARUOR	
Weekly	Activity Rope	X X
	uits of multiple completion	
(Other)  17. DERCRIDE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent deprine descriptions of the very proposed work. If well is directionally drilled, give subsurface locations and measured and true very next to this work.)	etes, including estimated in ertical depths for all mark	oste of starting any ters and inner perti-
•		
SEE ATTACHED FOR ACTIVITY REPORT		
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DIVISION OF OIL GAS & MINING

BIGNED Wendy C. Desormeaux
(This space for Federal or State office use) THILE Regulatory Coordinator DATE __ 



January 20, 1992



DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 Sec.28-T25S-R19E Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

# DEPARTMENT OF NATURAL RESOURCES DIVISION OF DIL. GAS. AND MINING

SUBMIT	15	1	KIPLIC	11	ŀ.
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	OF OIL, GAS, AND MIN		SFC:50678 BHL:U-48351		
			4. IF INDIAN, ALLOTTES		
SUNDRY NOTICE!  (Do not use this form for proposals to Use "APPLICATION")	N/A				
OIL WAS DOTHER			Kane Springs	Federal Uni	
HAME OF OPERATOR			E. FARM OR LBARE NAME		
Columbia Gas Developme	nt Corporation	713/871-3400	Kane Springs	<u>Federal</u>	
P.O. Box 1350, Houston	, TX 77251-1350		#28-1		
LOCATION OF WELL (Report location clear)			10. FIELD AND POOL, OL	WILDCAT	
hee also space 17 below.) At surface	•		Wildcat		
1900' FSL & 1900' FEL	of Sec 28-T259-	_D10F	11. SBC., I., R., M., OR BI SUBVET OR ARRA	-K. AND	
	01 000.20 1255	KIJL	Sec.28-T25S-	-R19E	
14. PERMIT NO.   1	L BLEVATIONS (Show whether ST.	11 Sh etc.)	12 CODETT OR PARISM		
	Gr: 5576 RKB: 5	•	Grand	Utah	
Check Appro	priate Box To Indicate Ne	and Maries Report	or Other Data		
		and of Monce, Mebony	ARBOURKT ERFORT OF :		
NOTICE OF INTENTION	<b>10</b> :		RETAIRING W	SELL	
	DE ALTER CASING	WATER SHUT-OFF FRACTURE TREATMENT	ALTERING CA		
	CIPLE COMPLETE	SHOUTING OF ACIDIZING	ABARDONMEN	<u> </u>	
	DON"	Weekly	Activity Repor	ct_XX	
(Other)  17. DESCRIBE PROPORTO OR COMPLETED OPERATI		(NOTE: Report to	sults of multiple completion a completion Report and Lor for		
See attached	for weekly acti	ivity report.			
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•	JAN	<b>2 2 1992</b>	CONFIDENTIA	L	
		ISION OF IS & MINING			
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SIGNED Wellay S. Desorm	neaux TITLE Rec	gulatory Coordi	nator pate 1/	20/92	
(This space for Federal or State office	use)				
APPROVED BY CUMBILL IS OF APPROVAL IF AN	I:		DATE		

## KANE SPRINGS FEDERAL #28-1 SEC.28-T25S-R19E GRAND COUNTY, UTAH

### DAILY ACTIVITY REPORT

1/13/92	Drlg cement to 7707'. MW 15.3.
1/14/92	Drlg cement to 7940'. Fell out of cmt. TIH w/tbg & DP. Circ. MW 15.5.
1/15/92	Mixed & pumped 207 sks Class "G" cmt @ 16# ppg. Circ. WOC.
1/16/92	WOC. Circ & cond mud.
1/17/92	Ream out cmt 7049-7243'. Drill cmt & stringers 7243-8050'.
1/18/92	Mixed & pumped 250 sks Class "G" cmt @ 17.5# ppg.
1/19/92	Drlg cmt 7556-7805. MW 15.5.

CONFIDENTIAL

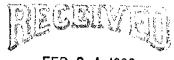
JAN 2 2 1992

DIVISION OF OIL GAS & MINING

# REPORT OF SPILL DIVISION OF OIL, GAS AND MINING STATE OF UTAH

Reporting Company: COLUMBIA GAS DEVELOPMENT CORP.
Reported received by: Written Report X Telephone
Call Received by: Date: 1-16-92 Time:
Location: 1/4 1/4 Section 28 Township 25S Range 19E
County: GRAND Lease: Federal X State Indian Fee
Well No. KANE SPRINGS FEDERAL 28-1 API No. 43-019-31325
Tank Battery: Yes Battery Name:
Date of Discharge: 1-11-92 Time of Discharge: 2:30 PM
Type of Spill: OilBbls Produced Water:70**_Bbls Gas:MCFS
Amount Recovered: OilBbls Produced Water:Bbls
Time to control discharge: hrs after discovery
Discharge contained on lease: Yes X No
Other lands affected: BLM X Indian State Fee
Other agencies contacted:BLM X BIA EPA Health DNR
Herr discharge essurged. ++70 PDIC OF FDECH WAMED IFAVED INDED FILL OF
How discharge occurred: **70 BBLS OF FRESH WATER LEAKED UNDER FILL OF RESERVE PIT.
Method of cleanup: BUILT A PIT BEHIND THE RESERVE PIT AND PICKED UP FLUID WITH VACUUM TRUCKS AND HAULED TO CISCO DISPOSAL PIT. WATER WAS TESTED AT (8000 PPM CHLORIDES).
Action taken to prevent reocurrence: <u>UNKNOWN</u>
Suspense to: WELL FILE Date: 1-22-92





FEB 0 4 1992

DIVISION OF OIL GAS & MINING

January 31, 1992

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

### Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

# DEPARTMENT OF NATURAL RESOURCES

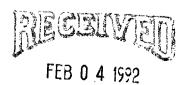
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DIVIS	SION OF DIL, GAS, AN	ID MINING	s	FC: 50678	BHI. U-4385
	<u> </u>	<del></del>	6. 1	F INDIAN, ALLOTTER	OR TRIBE NAME
SUNDRY NO (Do not not the form for pro	OTICES AND REPOR	RTS ON WELLS  Plus back to 4 different reserve	veis. N	I/A	
	CATION FOR FEMALES.	Table Property	7. 1	HIT AGREEMBET HAN	13
OXT A WAS D OTHER			Ka	ne Springs	<u>Federal</u> Ut
NAME OF OPERATOR	_		i	ARM OR LBASE HAM!	
Columbia Gas Deve	lopment Corpora	ation	I	ne Springs	<u>Federal</u>
P.O. Box 1350, Ho	uston TV 772	51_1350	1	8-1 ST	
•		<u> </u>		FIELD AND POOL, OR	WILDCAT
. LOCATION OF WELL (Report location has also space 17 below.) At auriace	T CHARLL THE IT SCENISHES A	ILE SEA STATE LAGRILLAMANTE.	Wi	ldcat	
			12.	ARC., T., E., M., OL BI	.E. ARD
200 FSL & 1918	FEL of Section	28			202
1900 1900		,		C. 28-T25S	
4. PERMIT NO.	11. BLEVATIONS (Show W)	•	1 -	and	Utah
43-019-31325	Gr: 5576 I	RKB: 5602		ana	<del>- CCGII</del>
Check	Appropriate Box To Indi	icate Nature of Notice, R	eport, or Other	Data	•
NOTICE OF IX		1	SUBSBOURNT	ESPORT OF:	
	_	WATER ENUT-O		RETAIRING W	TELL .
TRET WATER SKUT-OFF	PULL OR ALTER CASING	PRACTURE TREA	1 1	ALTERING CA	#ING
FRACTURE TREAT	MELTIPLE COMPLETE	T	CONTING	ABANUUNAEA	
SHOOT OR ACIDIZE	CHANGE PLANS	(Other) Wee	kly Activ	vity Report	XX X
(Other)  17. DESCRIBE PHAPPARED ON COMPLETED To small at dis-			an ar Recombieling	UCINO: I THE TOTAL	
See attached	for activity	report.		ECINY	III
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				OIL GAS & MIN	IING
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18. I hereby certify that the force	Ang a truy and correct	TLE Regulatory Co	ordinator	DATE _1/3	1/92
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(This space for Federal or Sta	te office use)				
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CUMBILL 'S OF APPROVAL		•		••	

## KANE SPRINGS FEDERAL #28-1 ST SEC.28-T25S-R19E GRAND COUNTY, UTAH

## DAILY ACTIVITY REPORT

1/19/92	Drlg cmt 7556-7805'. MW 15.5.
1/20/92	Drlg cmt 7716-7840'. Ream 7700-7740'. Drlg 7740-7742'. LS 7840' - 79.9° - N-13.8-W
1/21/92	Drlg 7842-7885'. MW 15.5.
1/22/92	Drlg to 7894'. PU Teleco MWD. LS 7894' - 79.2° - N-13.4-W
1/23/92	Orient MWD. Drlg 7894-7910'.
1/24/92	Slide w/motor to 8003'. LS 7927' - 79.2° - N-15.3-W
1/25/92	Slide to 8075'. LS 8021' - 85.9° - N-17.4-W
1/26/92	Sliding 8075-8190'. LS 8115' - 98.7° - N-15.3-W
1/27/92	Slide drill 8190-8466'. MW 15.6. LS 8398' - 100.1° - N-11.8-W
1/28/92	Drill to 8765'. Circulate. LS 8682' - 94.5° - N-10-W  CONFIDENTIAL
1/29/92	Drill to 8810'. LS 8763' - 94.1° - N-10-W
1/30/92	Slide drill 8810-8843'. Ream 60' to bottom. Slide 8843-8855'. LS 8795' - 100.3° - N-10.7-W



DIVISION OF OIL GAS & MINING



February 10, 1992

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

### Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux Regulatory Coordinator

WGD

Enclosure

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FEB 1 2 1992

DIVISION OF OIL GAS & MIMING

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	SFC: 50678 BHL: U-48351
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different receptoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	N/A
	T. UNIT AGREEMENT NAME
OIL X WELL OTER	Kane Springs Federal
Columbia Gas Development Corporation 713/871-3400	Kane Springs Federal
P. O. Box 1350, Houston, TX 77251-1350	#28-1 ST
LOCATION OF WELL (Report location clearly and in accordance with any State requirements.	10. PIRLD AND POOL, OR WILDCAT
See also space 17 below.) At surface	Wildcat
1900' FSL & 1900' FEL of Sec.28-T25S-R19E	11. SEC., T., E., M., OR BLX. AND SURVEY OR ASSA
	Sec.18-T25S-R19E
11. SERVATIONS (Show whether Dr. Ht. Ch. ofd.)	12. COUNTY OR PARISM 18. STATE
43-019-31325 Gr: 5576 RKB: 5602	Grand Utah
Check Appropriate Box To Indicate Nature of Notice, Report, or Notice of of Notice, Report, Notice of Notice of Notice, Report, Notice of Notice of Notice, Report, Notice of N	DURKT REPORT OF:
TRET WATER SEUT-OFF PULL OR ALTER CASING WATER SEUT-OFF	ALTERING CASING
PRACTURE TREAT MULTIPLE COMPLUTE PRACTURE TREATMENT	ABANDON MENT"
SHOOT OR ACIDIZE  ARANDON*  SHOOT OR ACIDIZE  ARANDON*  (Other) Week   VAct	ivity Report X
	ts of multiple completion on Well piction Report and Log form.)
7. DESCRIBE TRANSFER OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent date proposed work. If well is directionally drilled, give subsurface locations and measured and true vertinent to this work.)*  SEE ATTACHED FOR WEEKLY ACTIVITY REPORT	
C	ONFIDENTIAL
	FEB 1 2 1992
	DIVISION OF OIL GAS & MINING

2/10/92 Unnearly TITLE Regulatory Coordinator DATE _ (This space for Federal or State office use) DATE -TITLE . APPROVED BY COMMITTEE OF APPROVAL IF ANY:

# KANE SPRINGS FEDERAL #28-1 ST SEC.28-T25S-R19E GRAND COUNTY, UTAH

### DAILY ACTIVITY REPORT

1/31/92	Slide drill 8855-8975'. LS 8945' - 107.9° - N-9.3-W
2/1/92	Slide drill to 9012'. Circulate. POOH. TIH w/8-1/2 rock bit.
2/2/92	Circ. & condition hole. TIH w/liner.
2/3/92	TIH & set pkr @ 7278'. Sting into pkr. Test backside 1000# for 15 min. POOH w/stinger.
2/4/92	Set bridge plug. Lay down drill pipe. Clean stack to nipple down.
2/5/92	ND & set out BOP stack. Installed tree. Start rigging down.
2/6/92	Rigging down.
2/7/92	Clean rig.
2/8/92	Clean rig.
2/9/92	Preparing to move rig.

CONFIDENTIAL

FEB 1 2 1992

DIVISION OF OIL GAS & MINING

# DEPARTMENT OF NATURAL RESOURCES

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DIVISION OF OIL, GAS, AND MINING			SFC:50678 BI	
SUNDRY NOTICE TO BE THE SUNDRY NOTICE TO BE USE THE SUM CAPPLICATION OF THE SU	CES AND REPORTS C	ON WELLS ack to a different recervate.	6. IF INDIAN, ALLOTTES	
OIL WELL OTERS			Kane Springs	s Federal
Columbia Gas Develo	opment Corporation	n 713/871-3400	Kane Spring:	
P. O. BOX 1350, Hot			#28-1 ST	WILDCAT
See also apare 17 below.) At surface	terry and the second second second		Wildcat	LE. AKD
1900' FSL & 1900'	FEL of Sec.28-T25	S-R19E	Sec.18-T25S	
43-019-31325	Gr: 5576 RKB:		Grand	Utah
		lature of Natice, Report, or C	Other Data VERT ESPORT OF:	
PRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	PULL OB ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS	/alation of RPCOMI	of Multiple completion	on Well
SEE ATT	ACHED FOR WEEKLY	ACTIVITY REPORT		
		CONFI	DENTIAL	
			n scient	
			FEB 12	1992
•			DIVISION OIL GAS & M	
18. I hereby certify that the foregoing	Mes Comeany TITLE RE	egulatory Coordina	A /1	0/92
(This space for Federal or State of	Ormeaux office um)			

# KANE SPRINGS FEDERAL #28-1 ST SEC.28-T25S-R19E GRAND COUNTY, UTAH

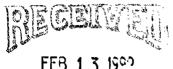
### DAILY ACTIVITY REPORT

1/31/92	Slide drill 8855-8975'. LS 8945' - 107.9° - N-9.3-W
2/1/92	Slide drill to 9012'. Circulate. POOH. TIH w/8-1/2 rock bit.
2/2/92	Circ. & condition hole. TIH w/liner.
2/3/92	TIH & set pkr @ 7278'. Sting into pkr. Test backside 1000# for 15 min. POOH w/stinger.
2/4/92	Set bridge plug. Lay down drill pipe. Clean stack to nipple down.
2/5/92	ND & set out BOP stack. Installed tree. Start rigging down.
2/6/92	Rigging down.
2/7/92	Clean rig.
2/8/92	Clean rig.
2/9/92	Preparing to move rig. CONFIDENTIAL

FEB 1 2 1992

DIVISION OF OIL GAS & MINING





FEB 1 3 1992

February 10, 1992

DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation Kane Springs #28-1 ST

Sec.28-T25S-R19E Grand County, Utah

### Gentlemen:

Please find attached Columbia's Subsequent Notice of Sidetrack for the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

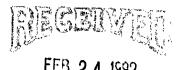
Attachment

# DEPARTMENT OF NATURAL RESOURCES

SUBMIT	IN	TRIPLE	VIII.
Oth		tructions	1961
•	<b>O</b> r	per merket)	

D	IVISION OF OIL, GAS, AND M	INING	PETER DESIGNATION AND SOCIETY
			FC:50678 BHL:U-48351
SUNDRY NO SUNDRY	NOTICES AND REPORTS Proposels to drill or to deepen or plug PLICATION FOR PERMIT—" for such	ON WELLS N	IF INDIAN, ALLOTTED OR TRIBE NAME
•			UNIT AGREEMBET HAMB
OIL A WELL OT	l'es	l.	ane Springs Federal Ut
Columbia Gas Dev	elopment Corporation	1	ane Springs Federal
. ADDRESS OF CPERATOR		9.	WELL NO.
<u> </u>	Houston, TX 77251-		28-1 ST
See also space 17 below.) At surface	tion clearly and in accordance with an		ildcat
1900' FSL & 1900	FEL of Sec.28-T25	S-R19E	. SEC. 1. 2. M. OE BLY. AND SUBVEY OR AREA
		S	ec.28-T25S-R19E
14. PERMIT NO.	15. BLEVATIONS (Show whether (		COUNTY OR PARISH 18. STATE
43-019-31325	Gr: 5576 RKB:	5602   G	rand Utah
1 t. Chec	ek Appropriate Box To Indicate	Nature of Notice, Report, or Othe	er Data
XOTICE OF	INTENTION TO:	AUBERGUERT	ENPORT OF:
TEST WATER SEUT-OFF	FULL OR ALTER CARING	WATER SKUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOUTING OR ACIDIZING	ABANDONMENT [®]
REPAIR WELL	CHANGE PLANS	(Other) Plugback & S	multiple completion on Well
(Other)		Completion or Recompletion of details, and give pertinent dates, included and true vertical dates.	a Report and Log Hirm.)
of cement. Pumped total of Clean out cement Picked up direct	43 bbls of slurry. plug to 7870' (KOP) ional tools and side		
			CBN/E() B 1 3 1992
į.			VISION OF BAS & MINING
	Desormeaux TITLE RO	egulatory Coordinator	DATE <u>2/10/92</u>
(This space for Federal or S	inte office use)		
APTROVED BI	TITLE		DATE
CUMPILL IS OF APPROVA	L, IF ANT:	·	





FEB 2 4 1992

February 19, 1992

DIVISION OF OIL CASE MAYING

Bureau of Land Management

Attn: Dale Manchester

82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350

Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec. 28-T25S-R19E Grand County, Utah

### Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF L. GAS AND MINING

6. Lease	Designation	and Serial N	lumber
SFC:	50678	BHL:U	-4835
7 Indian	Allonna at T	riba Alama	

	7. Indian Allottee or Tribe Name
SUNDRY NOTICES AND REPORTS O	N/A N/A
Do not use this form for proposals to drill new wells, deepen existing wells, or to tee	enter plugged and abandoned wells. 8. Unit or Communitization Agreement
Use APPLICATION FOR PERMIT— for such proper	Kane Springs Federal
Type of Well  Gas Other (specify)	9. Well Name and Number
Well Well C Well	Kane Springs Fed. 28-
. Name of Operator	10. API Well Number
Columbia Gas Development Corporation	43-019-31325
Address of Operator	4. Telephone Number 11. Field and Pool, or Wildcat
P.O. Box 1350, Houston, TX 77251-1350	713/871-3400   Wildcato
Location of Well	
Footage : 800' FSL & 1918' FEL of Sec	County . (Grand
QQ, Sec, T., R., M. : 25-	5, 19E State: UTAH
CHECK APPROPRIATE BOXES TO INDICATE NA	ATURE OF NOTICE, REPORT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
Abandonment New Construction	Abandonment * New Construction
Casing Repair Pull or Alter Casing	Casing Repair Pull or Alter Casing
Change of Plans Recompletion	Change of Plans Shoot or Acidize
Conversion to Injection Shoot or Acidize	Conversion to Injection Vent or Flare
Fracture Treat Vent or Flare	Fracture Treat Water Shut-Off
Multiple Completion Water Shut-Off	Other Weekly Activity Report
Other	
	Date of Work Completion
Approximate Date Work Will Start	
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
	<ul> <li>Must be accompanied by a cement verification report.</li> </ul>

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

2/10/92 - 2/18/92 Waiting for location to dry up to move in completion rig.

DECIMINED

FEB 2 4 1992

CONFIDENTIAL

DIVISION OF OIL GAS & MINING

				-
14. I hereby certify	that the for	egoing	is true and correct	
	MANATA		Dog Company	

wendy G. Desormeaux

Title Regulatory Coord Date 2/19/92

(State Use Only)



MAR 0 2 1592

February 27, 1992

DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester

82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple

3 Triad Center, Ste. 350

Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

Wendy of Destimeaux

WGD

Enclosure

### STATE OF UTAH DEPARTMENT F NATURAL RESOURCES IL, GAS AND MINING

_	
	6. Lease Designation and Serial Number
	SFC:50678 BHL:U-48351
	7. Indian Allottee or Tribe Name

		7. Indian Allottee or Tribe Name
SUNDRY NOTICES AND REPORTS (	ON WELLS	N/A
Do not use this form for proposals to drill new walls, deepen existing wells, or to re		8. Unit or Communitization Agreement
Use APPLICATION FOR PERMIT—for such prop	Osals	Kane Springs Federal U
1. Type of Well  Oil  Well  Other (specify)		9. Well Name and Number Kanes Springs Fed. 28-
2. Name of Operator Columbia Gas Development Corporation		10. API Well Number 43~019~31325
Address of Operator P.O. Box 1350, Houston, TX 77251-1350  5. Location of Well	4. Telephone Number 713/871-3400	11. Field and Pool, or Wildcat Wildcat
Footage :800' FSL & 1918' FEL of Sec	State	· IITAH
CHECK APPROPRIATE ROYES TO INDICATE N	MATERIAL PROPERTY OF THE PERSON OF THE PERSO	
CHECK APPROPRIATE BOXES TO INDICATE N  NOTICE OF INTENT (Submit in Duplicate)	ATURE OF NOTICE, REPO	PAT, OR OTHER DATA
CHECKAPPROPRIATE BOXES TO INDICATE N  NOTICE OF INTENT (Submit in Duplicate)  Abandonment New Construction Casing Repair Pull or Alter Casing Change of Plans Recompletion Conversion to Injection Shoot or Acidize Fracture Treat Vent or Flare Multiple Completion Water Shut-Off Other	ATURE OF NOTICE, REPO	ORT, OR OTHER DATA  QUENT REPORT Original Form Only)  New Construction Pull or Alter Casing Shoot or Acidize Vent or Flare Water Shut-Off
Abandonment	SUBSE (Submit  Abandonment *  Casing Repair  Change of Plans  Conversion to Injection  Fracture Treat	ORT, OR OTHER DATA  QUENT REPORT Original Form Only)  New Construction Pull or Alter Casing Shoot or Acidize Vent or Flare Water Shut-Off

and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR ACTIVITY REPORT

MAR 0 2 1992

DIVISION OF

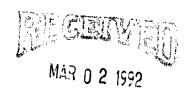
OIL GAS & MINING

14. I hereby certify t	hat the foregoing is true and correct			
Name & Signature	Wendy G. DesOrmeau Wendy	Lestimeaux	Title Regulatory	Coord.Date 2/27/9
(State Use Only)		<del> </del>		

# KANE SPRINGS FEDERAL #28-1 ST SEC.28-T25S-R19E GRAND COUNTY, UTAH

# DAILY ACTIVITY REPORT

2/21/92	RU Pool W/S Rig #533. Tested BOPE to 5,000 psi. TIH w/Baker retrieving tool.
2/22/92	Finish TIH to 7110'. Circ. SI well.
2/23/92	POOH w/Baker RBP. Test tbg & tree to 5000 psi. Bolted down tree.
2/24/92	Swabbed to 6000'. SDFN.
2/25/92	RIH w/swab. Tagged fluid. RD & release rig.
2/26/92	Moved out rig equipment. Well SI.



DIVISION OF OIL GAS & MINING

Form 9

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL AS AND MINING

6. Lease Designation	on and Serial Number
SFC:50678	BHL:U-48351
7 100000 40000000	~

		7. Indian Allottee or Tribe Name
SUNDRY NOTICES AND REPORTS O	ON WELLS	N/A
Do not use this form for proposals to drill new wells, deepen existing wells, or to re	enter plugged and abandoned wells.	8. Unit or Communitization Agreement
Use APPLICATION FOR PERMIT—for such propo	Osal i	Kane Springs Federal Ut
1. Type of Well  Oil Well  Gas Well  Other (specify)		9. Well Name and Number Kanes Springs Fed. 28-1
2. Name of Operator Columbia Gas Development Corporation		10. API Well Number 43-019-31325
P.O. Box 1350, Houston, TX 77251-1350	4. Telephone Number 713/871-3400	11. Field and Pool, or Wildcat Wildcat
Footage : 800 ' FSL & 1918 ' FEL of Sec QQ, Sec, T., R., M. : 12. CHECK APPROPRIATE BOXES TO INDIGATE N. NOTICE OF INTENT (Submit in Duplicate)	State ATURE OF NOTICE, REPO SUBSEC	: UTAH BT, OR OTHER DATA
Abandonment New Construction Casing Repair Pull or Alter Casing Change of Plans Recompletion Conversion to Injection Shoot or Acidize Fracture Treat Vent or Flare Multiple Completion Water Shut-Off Other  Approximate Date Work Will Start	Abandonment * Casing Repair Change of Plans Conversion to Injection Fracture Treat Other Activity F	
	on WELL COMPLETION OR RECC  Must be accompanied by a ceme	ons and Recompletions to different reservoirs MPLETION AND LOG form. ent verification report.

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR ACTIVITY REPORT

MAD O 2 1662

MAR 0 2 1992

DIVISION OF OIL GAS & MINING

. I hereby certify t	hat the foregoing is true and correct				
ıme & Signature	Wendy G. Desormean	Ledimeaux	тыь Regulatory	Coord	2 /27 /24
ate Use Only)		Jersomany	Interport	COOI a Date	2/27/92

# KANE SPRINGS FEDERAL #28-1 ST SEC.28-T258-R19E GRAND COUNTY, UTAH

# DAILY ACTIVITY REPORT

2/21/92	RU Pool W/S Rig #533. Tested BOPE to 5,000 psi. TIH w/Baker retrieving tool.
2/22/92	Finish TIH to 7110'. Circ. SI well.
2/23/92	POOH w/Baker RBP. Test tbg & tree to 5000 psi. Bolted down tree.
2/24/92	Swabbed to 6000'. SDFN.
2/25/92	RIH w/swab. Tagged fluid. RD & release rig.
2/26/92	Moved out rig equipment. Well SI.

E CELL WILL

MAR 0 2 1992

DIVISION OF OIL GAS & MINING



March 9, 1992

Bureau of Land Management

Attn: Dale Manchester

82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center Ste

3 Triad Center, Ste. 350

Salt Lake City, UT 84180-1203

RECEIVED

DIVISION OF OIL, GAS & MINING

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST

Sec.28-T258-R19E Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

Form 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

, Older Millio VED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
<ol><li>Lease Designation and Serial No.</li></ol>

SUNDRY NOTICES AND REPORTS ON WELLS

SFC:50678 BHL:U-48351

CODM ADDDOVED

6. If Indian, Allottee or Tribe Name

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

, ,	PERMIT—" for such proposals	N/A
	IN TRIPLICATE DECEMBER 1	7. If Unit or CA, Agreement Designation  Kane Springs Federal Ut
1. Type of Well    Solid   Gas   Other	DIVISION OF OIL, GAS & MINING scription)	8. Well Name and No.  Kane Springs Fed. 28-1  9. API Well No.  43-019-31325  10. Field and Pool, or Exploratory Area  Wildcat  11. County or Parish, State  Grand County, Utan
CHECK APPROPRIATE BOX(s	) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent  Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing. Other ACTIVITY Report	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

2/27/92 - 3/9/92 - Observing Well.

# CONFIDENTIAL

I hereby certify that the foregoing is true and correct Wendy S. Desormeanx Signed Wendy S. He Crimenus	Title Regulatory Coordinator	Date _ 3/9/92
(This space for Federal or State office use)		
Approved by	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

SFC:50678 BHL:U-48351

6. If Indian, Allottee or Tribe Name

# Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Hen "APPLICATION FOR PERMIT " for such proposals

SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation  Kane Springs Federal
Type of Well    Solid   Gas   Other	TX /7251 Scription)  DIVISION OF	8. Well Name and No.  Kane Springs Fed. 28-  9. API Well No.  43-019-31325  10. Field and Pool, or Exploratory Area  Wildcat  11. County or Parish, State  Grand County, Utah
TYPE OF SUBMISSION	TYPE OF ACTIO	
Notice of Intent  Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Activity Report Pertinent details, and give pertinent dates, including estimated date of start	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water  (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

2/27/92 - 3/9/92 - Observing Well.

# CONFIDENTIAL

4. I hereby certify that the foregoing is true and correct Wendy G. Desorpheadax Signed Wendy S. Discussions	Title Regulatory Coordinator	Date 3/9/92
(This space for Federal or State office use)		
Approved by	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



March 30, 1992

Bureau of Land Management Attn: Dale Manchester

82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

PRO2 1552

DIVISION CE OIL GAS & MARTING

Form 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
Lease Designation and Serial No
FC • 50678 H-48351

5.									
SF	C:	50	67	8	U-	-48	3	5	1

SUNDRY NOTICES AND REPORT Do not use this form for proposals to drill or to deep Use "APPLICATION FOR PERMIT—"	en or reentry to a different reservoir.	6. If Indian, Allottee or Tribe Name N/A
SUBMIT IN TRIPLIC	7. If Unit or CA. Agreement Designation Kane Springs Federal Ut	
1. Type of Well  XX Well Gas Well Other  2. Name of Operator Columbia Gas Development Corporat  3. Address and Telephone No.	cion	8. Well Name and No.  Kane Springs Fed. 28-1S' 9. API Well No. 43-019-31325
P.O. Box 1350, Houston, TX 77251	713/871-3400	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Wildcat
800' FSL & 1918' FEL of Section 2	28 T255, R 19E	11. County or Parish, State Grand County, Utah
2 CHECK APPROPRIATE BOX(s) TO INDIC	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent  Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Activity Report	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water  (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
3. Describe Proposed or Completed Operations (Clearly state all pertinent details, a give subsurface locations and measured and true vertical depths for all mass and state of the subsurface locations and measured and true vertical depths for all mass and subsurface locations and measured and true vertical depths for all mass and subsurface locations.  See attached Activity Report	arkers and zones pertinent to this work.)*	g any proposed work. If well is directionally drilled,
		A STATE OF THE STA



**DIVISION OF** OIL GAS & MINING

I hereby certify that the foregoing is true and correct  Signed Windy X. Des Grandaux	Title Regulatory Coordinator	Date 3/30/92
(This space for Federal or State office use)	•	**
Approved by	Title	Date
,,		

or representations as to any matter within its jurisdiction.

# KANE SPRINGS FEDERAL #28-1 ST SEC.28-T25S-R19E GRAND COUNTY, UTAH

# DAILY ACTIVITY REPORT

3/10-3/22/92	Observing well.
3/23/92	RU coil tbg unit. Gound not work tbg past 7440'. Prep to run centralizer on coil tbg.
3/24/92	Attempted to work into TOL - failed. Pumped Inversol into coil tbg., 5-1/2" liner & perfs. PU coil tbg to 7300'. SDFN.
3/25/92	Jetted tbg. dry. POOH w/coil tbg. Prep to run index tool.
3/26/92	RIH w/index tool. Washed mud from 5-1/2" csg from 7355-7510'. Circ annulus clean. PU to 7400'. SDFN.
3/27/92	Washed mud to 7632'. POOH w/coil tbg & RD. Secured well.
3/28-3/30/92	Evaluating further workover activities.

Form 3160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

N/A

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
5. Lease Designation and Serial No.
SFC:50678 U-48351
6. If Indian, Allottee or Tribe Name
אז / א

Use "APPLICATION FOR PERMIT—" for such proposals		
SUBMIT IN TRIPLICATE		7. If Unit or CA, Agreement Designation Kane Springs Federal U
1. Type of Well  Solid Gas Well Other	. <u>, , , , , , , , , , , , , , , , , , ,</u>	8 Weil Name and No.
2. Name of Operator		Kane Springs Fed.28-1S'
Columbia Gas Development Corporation		9. API Well No.
3. Address and Telephone No.		43-019-31325
P.O. Box 1350, Houston, TX 7	7251 713/871-3400	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Wildcat
800' FSL & 1918' FEL of Section 28		Grand County, Utah
12. CHECK APPROPRIATE BOX(s) TO	INDICATE NATURE OF NOTICE, F	REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	$\square$ $\square$ .	Conversion to Injection
Final Abandonment Notice	Altering Casing	conversion to injection

See attached Activity Report.

AFR 0 2 1992

DIVISION OF OIL GAS & MINING

4. I hereby certify that the foregoing is the and correct Signed Windy X. Showard	Regulatory Coordinator	Date 3/30/92
(This space for Federal or State office use)	, ·	
Approved by Conditions of approval, if any:	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# KANE SPRINGS FEDERAL #28-1 ST SEC.28-T25S-R19E GRAND COUNTY, UTAH

# DAILY ACTIVITY REPORT

3/10-3/22/92	Observing well.
3/23/92	RU coil tbg unit. Cound not work tbg past 7440'. Prep to run centralizer on coil tbg.
3/24/92	Attempted to work into TOL - failed. Pumped Inversol into coil tbg., 5-1/2" liner & perfs. PU coil tbg to 7300'. SDFN.
3/25/92	Jetted tbg. dry. POOH w/coil tbg. Prep to run index tool.
3/26/92	RIH w/index tool. Washed mud from 5-1/2" csg from 7355-7510'. Circ annulus clean. PU to 7400'. SDFN.
3/27/92	Washed mud to 7632'. POOH w/coil tbg & RD. Secured well.
3/28-3/30/92	Evaluating further workover activities.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING ENTITY ACTION FORM - FORM 6

PERATOR	COLUMBIA	GAS	DEVELOPMENT	OPERATOR	ACCT.	NO.	н 5035
ADDRESS _							

Phone No. (_____)_

ACTION	CURRENT	NEW	API NUMBER	WELL NAME		,		OCATION		SPUD	EFFECTIVE
CODE	ENTITY NO.	ENTITY NO.			QQ	SC	TP	RG	COUNTY	DATE	DATE
A	11180	11180	43-019-31310	KANE SPRINGS FED. 27-1	NWSE	27	25S	19E	GRAND	12-28-90	1-18-91
ELL 1 C	OMMENTS:	KANE	SPRINGS UNIT/O	CANE CREEK PA "A"				- · · · · - · · -			
	<b>T</b>	I	<b>T</b>		<del></del>	·	1	<u> </u>			
<b>D</b>	11180	11353	43-019-31324	KANE SPRINGS FED. #19-1A	SWNE	19	26S	20E	GRAND	7-04-91	11-12-9
ELL 2 (	COMMENTS:	KANE	SPRINGS UNIT/N	NON PA							
										·	
D	11180	11354	43-019-31325	KANE SPRINGS FED. #28-1	NWSE	28	25S	19E	GRAND	10-27-91	11-4-91
D											
	COMMENTS:	<u> </u>	SPRINGS UNIT/N	NON PA	!	J		<u> </u>			· · · · · · · · · · · · · · · · ·
	<u> </u>	<u> </u>	SPRINGS UNIT/N	NON PA		<del></del>					
	<u> </u>	<u> </u>	SPRINGS UNIT/N	NON PA			1				I
ELL 3 (	COMMENTS:	<u> </u>	SPRINGS UNIT/N	NON PA							
ELL 3 (	<u> </u>	<u> </u>	SPRINGS UNIT/N	NON PA							
ELL 3 (	COMMENTS:	<u> </u>	SPRINGS UNIT/N	NON PA							
YELL 3 (	COMMENTS:	<u> </u>	SPRINGS UNIT/N	NON PA							
VELL 3 (	COMMENTS:	<u> </u>	SPRINGS UNIT/N	NON PA							
/ELL 3 (	COMMENTS:	<u> </u>	SPRINGS UNIT/N								
VELL 4 (	COMMENTS:	KANE	on back of form)						I. ROMERO	(DOCM)	
VELL 3 (VELL 4 (VELL 5	COMMENTS:  COMMENTS:  COMMENTS:  CODES (See i - Establish - Add new w	nstructions new entity	on back of form) for new well (sin	ngle well only)					L. ROMERO Signature ADMIN. ANA	(DOGM)	3-24-92

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

DATE 03/24/92 PRODUCTION INQUIRY SCREEN MENU: OPTION 00 TWNSHP RANGE SC SPOT MD. API ZONE STATUS 25.0 S 19.0 E 27 NWSE S 43-019-31310 CNCR OPERATOR: N5035 : COLUMBIA GAS DEVELOPMENT WELL NAME: KANE SPRINGS FED. 27-1 ENTITY: 11180 : KANE SPRINGS UNIT ACCT ENTY DAYS OIL PROD GAS PROD WATER PROD PERIOD CUM THRU 12/31/90 0.00 0.00 0.00 N5035 11180 4 2282.00 735.00 0.00 91-04 N5035 11180 17 12583.00 9427.00 0.00 91-05 N5035 11180 13 8812.00 6658.00 0.00 91-06 N5035 11180 14 6717.00 7244.00 0.00 91~07 N5035 11180 17247.00 31 16154.00 0.00 91-08 N5035 11180 30 14999.00 14612.00 0.00 91-09

11870.00

10775.00

11074.00

0.00

0.00

0.00

91-10

91-11

91-12

YTD 96,564 89,642 0
OPT: 13 API: 4301931310 ZONE: CNCR PERIOD(YYMM): 9100 ENTY: 0 ACCT:

13727.00

10583.00

10707.00

N5035 11180

N5035 11180

N5035 11180

31

30

31

DATE 03/24/92 PRODUCTION INQUIRY SCREEN MENU: OPTION 00 TWNSHP RANGE SC SPOT MD. API ZONE STATUS 26.0 S 20.0 E 19 SWNE S 43-019-31324 CNCR POW

20.0 E 19 SWNE S 43-019-31324 CNCR POW OPERATOR: N5035 : COLUMBIA GAS DEVELOPMENT

WELL NAME: KANE SPRINGS FED. #19-1A ENTITY: 11180 : KANE SPRINGS UNIT

OIL PROD GAS PROD ACCT ENTY DAYS WATER PROD PERIOD CUM THRU 12/31/90 0.00 0.00 0.00 N5035 11180 1 1060.00 228.00 0.00 91-11 N5035 11180 31 10862.00 9763.00 0.00 91-12

YTD 11,922 9,991 0

OPT: 13 API: 4301931324 ZONE: CNCR PERIOD(YYMM): 9100 ENTY: 0 ACCT:

1

03/	/24/92	I	DISPOSITIO	N INQUIRY SO	CREEN	MEI	NU: OPTION 00
ENTIT	TY: 113	180 : K <i>i</i>	ANE SPRING	S UNIT			
OPERA	ATOR: N50	035 : CC	OLUMBIA GA	S DEVELOPMEN	$\mathbf{T}$		
MNTH	ACCT I	PRODUCT	PRODUCE	D TRANSPO	ORT USED ON L	SE FLAREI	OTHER
9100		GS NO	DATA FOUN	D			
9100		OL NO	DATA FOUN	D			
9100		NL NO	DATA FOUN	D			
9101		GS NO	DATA FOUN	D			
9101		OL NO	DATA FOUN	D			
9101		NL NO	DATA FOUN	D			
9102		GS NO	DATA FOUN	D			
9102		OL NO	DATA FOUN	D			
9102		NL NO	DATA FOUN	Ď			
9103		GS NO	DATA FOUN	D			
9103		OL- NO	DATA FOUN	Ď			
9103		NL NO	DATA FOUN	D			
9104	N5035	GS	735	0	0	735	0
	N5035	OL	2,282	2,282	0	0	0
	N5035	NL	. 0	. 0	0	0	0
9105	N5035	GS	9,427	. 0	113	9,314	0
	N5035	$\mathtt{OL}$	12,583	11,171	0	. 0	0
	N5035	NL	. 0	. 0	0	0	0
OPT:	18 APT:		1310 ZONE:	CNCR PERIO	DD(YYMM): 910	6 ENTY: 11180	ACCT:

MENU: OPTION 00 DISPOSITION INQUIRY SCREEN 03/24/92 11180 : KANE SPRINGS UNIT ENTITY: OPERATOR: N5035 : COLUMBIA GAS DEVELOPMENT OTHER TRANSPORT USED ON LSE FLARED MNTH ACCT PRODUCT PRODUCED 6,658 0 79 6,579 0 9106 N5035 GS 0 0 N5035 OL8,812 10,199 0 0 0 0 NL0 N5035 0 0 7,244 0 200 7,044 N5035 GS 9107 0 5,741 0 6,717 0 N5035 OL 0 0 0 N5035 NL0 0 0 17,247 0 455 16,792 9108 N5035 GS 0 0 0 16,225 16,154 N5035 OL0 0 0 0 NL0 N5035 435 14,177 0 0 9109 N5035 GS 14,612 0 0 OLT, 14,999 15,189 0 N5035 0 0 NL. 0 0 0 N5035 0 11,870 0 434 11,436 GS 9110 N5035 0 13,808 0 0  $oldsymbol{L}$ 13,727 N5035 0 0 0 N5035 NL0 GS 11,003 0 395 10,608 9111 N5035 0 11,602 0 0 OL11,643 N5035 0 0 0 0 0 NLN5035 OPT: 18 API: 4301931310 ZONE: CNCR PERIOD(YYMM): 9112 ENTY: 11180 ACCT:

			Care.			7.7				
03/	24/92	DIS	POSITION	INQUIRY	SCREEN			MEN	IU: OPI	OO NOI
ENTIT	Y: 11	180 : KANE	SPRINGS	UNIT						
OPERA	TOR: N5	035 : COLUI	IBIA GAS	DEVELOP	MENT					
MNTH	ACCT	PRODUCT 1	PRODUCED	TRANS	SPORT USED	ON LS	3	FLARED	)	OTHER
9112	N5035	GS 20	,837		0	814	20,	023		0
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	N5035	NL	. 0	•	0	0		0		0
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9201		OL NO DAT	A FOUND							
9201		NL NO DAY	A FOUND							
9202		GS NO DA	A FOUND							
9202		OL NO DAY	A FOUND							
9202		NL NO DAT	'A FOUND	·						
9203		GS NO DAY	A FOUND							
9203		OL NO DA	'A FOUND							
9203		NL NO DA	A FOUND							
9204			A FOUND							
9204		OL NO DA	A FOUND							
9204			A FOUND							
9205			A FOUND							
9205			A FOUND							
9205		NL NO DA	A FOUND							-
	18 API:	430193131		CNCR PE	RIOD (YYMM)	9206	ENTY:	11180	ACCT:	
					•					



April 24, 1992

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

#### Gentlemen:

Please find enclosed Columbia's Activity Report for the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

RECEIVED

APR 2.7 1992

DIVISION OF OIL GAS & MINING Form 3160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

Expires: March 31, 1993

5. Lease Designation and Serial No.

SFC: 50678 U-48351
6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals

N/A

SUBMIT	7. If Unit of CA, Agreement Designation	
i. Type of Well Oil Well Well Other	Kane Springs Fed. Ut.  8. Well Name and No.	
2. Name of Operator  Columbia Gas Development  3. Address and Telephone No.	Kane Springs Fed 28-1ST 9. API Well No. 43-019-31325	
P. O. Box 1350, Houston,  4. Location of Well (Footage, Sec., T., R., M., or Survey D 800' FSL & 1918' FEL of S	10. Field and Pool, or Exploratory Area Wildcat 11. County or Parish, State Grand County, Utah	
12. CHECK APPROPRIATE BOX( TYPE OF SUBMISSION	s) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
Notice of Intent  Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Activity Report	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water  (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	Il pertinent details, and give pertinent dates, including estimated date of starting cal depths for all markers and zones pertinent to this work.)*	g any proposed work. If well is directionally drifted

#### Pit Closure Activities:

APR 2 7 1992

4/14-4/16/92 - Centrifuging pit.

DIVISION OF

4/17/92 - Suspended operations. Waiting on approval of brasting specifications.

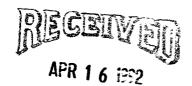
4/21/92 - Replaced fencing around pit.

Will resume operations when blasting issue resolved. Will submit next activity report when operations resume.

4. I hereby certify that the foregoing is true and correct Signed Wendy T. Destrueaux	Title Regulatory Coordinator	Date 4/24/92
(This space for Federal or State office use)  Approved by Conditions of approval, if any:	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.





April 13, 1992

DIVISION CF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

#### Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosure

Form 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No. SFC:50678 U-48351

SUNDRY NOTICES  Do not use this form for proposals to dr  Use "APPLICATION FO	6. If Indian, Allottee or Tribe Name N/A	
SUBMIT	IN:TRIPLICATE	7. If Unit or CA, Agreement Designation Kane Springs Federal U
1. Type of Well  Oil  Well  Well  Other  2. Name of Operator	8. Well Name and No. Kane Springs Fed.28-1ST	
Columbia Gas Development  3. Address and Telephone No.		9. API Well No. 43-019-31325
P.O. Box 1350, Houston, 7  4. Location of Well (Footage, Sec., T., R., M., or Survey D  800' FSL & 1918' FEL of S	10. Field and Pool, or Exploratory Area Wildcat 11. County or Parish, State Grand County, Utah	
12. CHECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	·
Notice of Intent  Subsequent Report	Abandonment Recompletion Plugging Back Casing Repair	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing ☐ Other <u>Activity Report</u>	Conversion to Injection  Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached for Activity Report.



**DIVISION OF OIL GAS & MINING** 

I hereby certify that the foregoing is true and correct Signed Mendy Kills Lemeaux	Regulatory Coordinator	4/13/92
(This space for Federal or State office use)		
Approved by	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### COLUMBIA GAS DEVELOPMENT CORPORATION

## KANE SPRINGS FEDERAL #28-1 ST SEC.28-T25S-R19E GRAND COUNTY, UTAH

#### DAILY ACTIVITY REPORT

3/31/92 - 4/8/92 Observing well.

4/9/92 RU & tested Cudd Snubbing Unit.

4/10/92 RIH w/2-1/4" mill. Ran 193 jts to 6010'.

4/11/92 Rotated & washed in 5-1/2" csg from 7674-8114'.

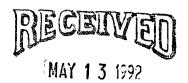
Circ hole clean.

#### PIT CLOSURE ACTIVITIES:

4/13/92

Centrifuging pit fluids, putting liquid in portable tanks and storing solids in a portion of the pit. Estimate centrifuging will continue for approximately 3 more days. Will proceed with stabilization and closure - expected to be completed 4/24/92.





May 11, 1992

DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

cc: Elmer Duncan - Grand Resource Office

Form 3160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR

# **BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED			
Budget Bureau No. 1004-0135			
Expires: March 31, 1993			

5. Lease Designation and Serial No.

SFC:50678 U-48351 6. If Indian, Allottee or Tribe Name

Do not use this form for proposals to drill Use "APPLICATION FOR	N/A	
SUBMIT II	7. If Unit or CA. Agreement Designation Kane Springs Federal Ut	
i. Type of Well  Oil  Well  Well  Other	8. Well Name and No.	
2. Name of Operator		Kane Springs Fed.28-1ST
Columbia Gas Development  3. Address and Telephone No.	Corporation	9. API Well No. 43-019-31325
	TX 77251=1350 713/871-3482	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Descri		Wildcat
800' FSL & 1918' FEL of S	ection 28 255 19E	11. County or Parish, State
		Grand County, Utah
12. CHECK APPROPRIATE BOX(s)	TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
_	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing Other Pit Closure Activi	Conversion to Injection
	OtherOther	(Note: Report results of multiple completion on Well
13 Describe Proposed or Completed Operations (Clearly state all p	ertinent details, and give pertinent dates, including estimated date of startin	Completion or Recompletion Report and Log form.)
give subsurface locations and measured and true vertical	depths for all markers and zones pertinent to this work.)*  Sure activities conducted from	
	ipment. Started drilling hole	es as per approved
Sundry.		
	illing holes.	
5/7/92- Compressor d 5/8-5/10/92- Repairing co	lOWN.	
5/11/92- Resumed dril		IS CIBITA EU
Moved reserve pit fence t	o include shot hole area.	MAY 1 3 1992
		DIVISION OF
•		OIL GAS & MINING
		OIL GAO & IMMANO
14. I hereby certify that the foregoing is true and correct Signed Windy Signed	Title Regulatory Coordinator	Date 5/11/92
(This space for Federal or State office use)		
Approved by	Title	Date
Conditions of approval, if any:	•	



May 12, 1992

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Sundry requesting a Temporarily Abandoned status on the above-referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

Enclosure

MAY 1 4 1992

DIVISION OF OIL GAS & MINING Form 3160-5 (June 1990)

### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED				
Budget Bureau No.	1004-0135			
Expires: March	31, 1993			

5. Lease Designation and Serial No.

## SFC:50678 U-48351

SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. N/A Use "APPLICATION FOR PERMIT—" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE Kane Springs Federal Ut 1. Type of Well XX Oil Gas Well 8. Well Name and No. Kane Springs Fed. 2. Name of Operator 9. API Well No. Columbia Gas Development Corporation 3. Address and Telephone No. 43-019-31325 P.O. Box 1350, Houston, TX 77251-1350 10. Field and Pool, or Exploratory Area 713/871-3400 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State 800' FSI, & 1918' FEL of Section 28 Grand County, Utah CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12 TYPE OF SUBMISSION TYPE OF ACTION Change of Plans Notice of Intent Abandonment (Temporary) New Construction Recompletion Non-Routine Fracturing Subsequent Report Plugging Back Water Shut-Off Casing Repair Conversion to Injection Final Abandonment Notice Altering Casing Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Columbia Gas Development Corporation requests at Temporarily Abandoned status on the Kane Springs Federal 28-1ST for a period of 12 months. At this time the well is non-productive, and we are evaluating various future alternatives for the wellbore. The casing was pressure tested during the recent completion and the wellhead has been secured.

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

DIVISION OF ON CASS MINING

14. I hereby comist that the foregoing is true and correct Signed Windy X. Who Immean	Title Regulatory Coordinator	Date 5/12/92
(This space for Federal or State office use)  Approved by Conditions of approval, if any:	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



May 29, 1992



DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

#### Gentlemen:

Please find enclosed Columbia's Activity Report for the pit closure on the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux Regulatory Coordinator Form 3160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

SFC:50678 U-48351

6. If Indian, Allottee or Tribe Name

Use "APPLICATION FOR	N/A				
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation			
1. Type of Well  Oil  Well  Well  Other	Kane Springs Federal  8. Well Name and No.				
2. Name of Operator Columbia Gas Development	Corporation	Kane Springs Fed. 285			
3. Address and Telephone No. P. O. Box 1350, Houston, T.		43-019-31325 10. Field and Pool, or Exploratory Area			
4. Location of Well (Footage, Sec., T., R., M., or Survey De	scription)	Wildcat			
800' FSL & 1918' FEL of S	ection 28	11. County or Parish, State			
,		Grand County, Utah			
12. CHECK APPROPRIATE BOX(s	) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION				
Notice of Intent  Subsequent Report	Abandonment Recompletion Plugging Back	Change of Plans  New Construction  Non-Routine Fracturing			
Final Abandonment Notice	Casing Repair Altering Casing Other Activity Report	Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
<ol> <li>Describe Proposed or Completed Operations (Clearly state all give subsurface locations and measured and true vertical</li> </ol>	pertinent details, and give pertinent dates, including estimated date of starting d depths for all markers and zones pertinent to this work.)*	g any proposed work. If well is directionally drilled,			

See attached for pit closure activity report.



DIVISION OF OIL GAS & MINING

·		
14. I hereby certify that the foregoing is true and correct		
Signed Wendy XI. Hes Christian	Title Regulatory Coordinator	Date 5/29/92
(This space for Federal or State office use)		
Approved byConditions of approval, if any:	Title	Date
Title 10 V.C.C. Carrier 1001	3 300 0	
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly	and willfully to make to any department or agency of the United States	any false, fictitious or fraudulent statements

# Kane Springs Federal #28-1ST

5/1/92 - 5/7/92	Removed fence from west side of pit. Drilled blast holes in excavated area. Replaced fence around pit and blast holes.
5/8/92 - 5/14/92	Waiting on powderman to return from vacation.
5/15/92	Loaded blast holes with charges (13#/hole). Notified BLM the pit would be shot at 12 noon. Shot pit at 12 noon. Started pushing out blast area.
5/16/92 - 5/17/92	Pushing out blast area.
5/18/92	Finished pushing out blast area. Breached wall between blast area and old pit. Started mixing pit contents with native soil and gel.
5/19/92	Mixing pit contents with native soil and gel.
5/20/92	Finished mixing pit contents. Total gel used in mixing process was 70 tons. A 5 ton gel cap was installed. The solidified area was covered with native rock and then covered with native rock/soil for an average coverage of 3-1/2 feet.
5/21/92	Total pit area covered with remaining excavated soil to contour land as much as possible.

Will fence total disturbed area of pit reclamation.



BECENALIO

JUL 0 6 1992

DIVISION OF OIL GAS & MINING

July 1, 1992

Bureau of Land Management

Attn: Dale Manchester

82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple

3 Triad Center, Ste. 350

Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST

Sec.28-T25S-R19E Grand County, Utah

#### Gentlemen:

Please find enclosed Columbia's Activity Report for the testing performed on the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

Form 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

SFC: 50678 BHL: U-48351
6. If Indian, Allottee or Tribe Name

Ut

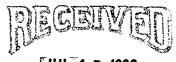
N/A

Use "APPLICATION FO	R PERMIT—" for suc	THIS PROPERTY.	N/A
	IN TRIPLICATE	Meanard	7. If Unit or CA, Agreement Designation
1. Type of Well		JUL 0 6 1992	Kane Springs Federal
X Oil Gas Well Other		000 0 1772	8. Well Name and No.
2. Name of Operator		DIVISION OF	Kane Springs #28-1ST
Columbia Gas Development ( 3. Address and Telephone No.	Corporation	OIL GAS & MINING	
P.O. Box 1350, Houston, T.	X 77251-1350	OIT OIND IS MINIMUM	43-019-31325 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey D	Description)	*	Wildcat
FSL & FEL of Se	ec. 28-T25S-R]	-9E	11. County or Parish, State
1900 1900			Grand County, Utah
12 CHECK APPROPRIATE BOX	(-) TO INDIOATE NO	TUDE OF NOTICE DE	BODT OF OTHER DATA
12. CHECK APPROPRIATE BOX	S) TO INDICATE NA	TIURE OF NOTICE, HE	PORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACT	ION
Notice of Intent	Aband	donment	Change of Plans
<b>√</b>	Recor	mpletion	New Construction
K Subsequent Report	1	ing Back	Non-Routine Fracturing
Final Abandonment Notice		g Repair ing Casing	Water Shut-Off Conversion to Injection
		Testing-Activit	
	·		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
The following is a	a summary of t	he testing perfo	ormed on the #28-1:
6/25/92 - Hooked for 4 i well in	nours. Had st	nk. Blew well deream of water s	down. Opened to 63/64 ize of pencil. Shut
6/26/92 - Rig up 45 bbls	swab rig. Ma s. Sent sampl	nde 9 swab runs. es of fluid to l	Total fluid swabbed = be analyzed. —
Well shut in - was	lting on decis	ion to perform	further testing.
14. I hereby certify that the foregoing is true and correct Signed Wently - His ameau	Title Regul	atory Coordinato	or Date <u>7/1/92</u>
(This space for Federal or State office use)			
Approved by	Title		Date
Conditions of approval, if any:			



#### VIA AIRBORNE EXPRESS

July 14, 1992



JUL 1 5 1992

DIVISION OF OIL GAS & MINING

Bureau of Land Management Moab District 82 E. Dogwood Moab, Utah 84532

Attention:

Mr. William Stringer

Reference:

Columbia Gas Development Corporation

Kane Springs Federal #28-1ST

Sec., 28-T25S-R19E Grand County, Utah

Dear Mr. Stringer:

Please find enclosed an original and two copies of Columbia's Completion Report regarding the above referenced location.

The directional surveys and logs submitted represent the pilot hole, original directional hole and sidetrack. The core analysis will be forwarded under separate cover as soon as available.

The well is currently shut-in and we are evaluating future alternatives for the wellbore. We have requested and obtained approval of a Temporarily Abandoned status for this well from your office for a period of one year beginning 5/18/92.

Columbia Gas Development respectfully requests that the information being submitted be kept confidential for the maximum amount of time available.

If you have any questions or require any additional information, please contact me at 713/871-3482.

Sincerely,

Wendy G. DesOrmeaux

Regulatory Coordinator

WGD

Enclosures

cc: State of Utah Office of Natural Resources
Division of Oil, Gas & Mining - Mr. R. J. Firth

# DEPARTMENT OF NATURAL RESOURCES

SUBMIT IN (See other		as
on reve	erse sine	7

5. LEASE DESIGNATION AND SERIAL NO. DIVISION OF OIL, GAS, AND MINING SFC:50678 U-48351 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* N/A 1a. TYPE OF WELL: WELL XX 7. UNIT AGREEMENT NAME Other Kane Springs Federal Ut. L TYPE OF COMPLETION: WORK Shut-In NEW X S. FARM OR LEASE NAME Other ane Springs Federal 2. NAME OF OPERATOR Columbia Gas Development Corporation 9 WELL NO. 28-1ST P.O. Box 1350, Houston, TX 77251-1350 10. PIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) Wildcat At surface 800' FSL & 1918', FEL of Sec. 28 11. BEC., T., R., M., OK BLOCK AND BURVEY OR AREA DIVISION OF At top prod interval reported below 00 1147' FSL & 1656' FEL of Sec. 28 MINING Sec. 28-T25S-R19E At total depth 2416' FSL & 1374' FEL 12. COUNTY OR 13. STATE 14. PERMIT NO. DATE ISSUED PARISH 43-019-31325 9/6/91 Grand Utah 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 2/24/92 GR: 5576 RKB:5602 2/2/92 23. INTERVALS DEILLED BY CABLE TOOLS 22. IF MULTIPLE COMPL., HOW MANY ROTARY TOOLS 20. TOTAL DEPTH, MD & TVD 21. PLUC, BACK T.D., MD & TVD 9012MD/7232TVD | 9012MD/7232TVD XXXX 25. WAS DIRECTIONAL SURVEY MADE 24. PRODUCING INTERVAL(S). OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 9012' MD/ 7233' TVD 7673 MD/ 7336' TVD Yes 27. WAS WELL CORED 26. TIPE ELECTRIC AND OTHER LOGS BUN 1-15-92 11600(2) 11240(2) DIL GR, BHC/GR, RWD Yes PROPAGATION RESISTIVITY PULS DIRECTIONA CASING RECORD (Report all strings set in well) CEMENTING RECORD AMOUNT PULLED HOLE SIZE CABING SIZE WEIGHT, LE./FT DEPTH SET (MD) 851 Driven 30" Conductor 636 24" 980sx Cl. G Neat 20" 133# K-55 sx_C1 4394 🕻 <u> 170sx Pacesetter + 365</u> G Neat 61# K-55 13-3/8" 210 sx Cl 5#_C-95 7687**'** 9-5/8" TUBING RECORD 30. LINER RECORD DEPTH SET (MD) PACKER SET (MD) SCREEN (MD) SIZE BIZE TOP (MD) BOTTOM (MD) SACKS CEMENT 5-1/2" 7384' 9012' Pkr @ 2-7/8 7278**'** 7278**'** 31. FRAYORATION RECORD (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. AMOUNT AND KIND OF MATERIAL DEED Preperfed pipe every 3 feet @ 90 DEPTH INTERVAL (MD) degree intervals PRODUCTION WELL STATUS (Producing or DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Shut-In Flowing 2/24/92 GAS-MCF. WATER-BRL GAS-OIL BATIO DATE OF TEST CHORE SIZE FROD'N. FOR CIL-BBL. HOURS TESTED TEST PERIOD 0 0 2/24/92 *SEE NOTE GAS-MCF. WATER-BEL. FLOW. TUBING PRESS. CASING PRESSURE CALCULATED TEST WITNESSED BY 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) NA 35 LIST OF ATTACHMENTS Directional Survey, Logs on Pilot Hole, Original Directional Hole & Sidetrack 36. I hereby certify, that the foregoing and attached information is complete and correct as determined from all available records Regulatory Coordinator TITLE

# DEPARTMENT OF NATURAL RESOURCES

SUBMIT	IN	DUP	121	TE*			
(See o	ther	instr		hs			
on reverse side,							

DIVISION OF OIL, GAS, AND MINING	SFC: 50678 U-48351
WELL COMPLETION OF RECOMPLETION PEROPE AND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
WELL COMPLETION OR RECOMPLETION REPORT AND L	
LE. TYPE OF WELL:  WELL XX WELL DRY Other  DRY Other	7. UNIT ACREEMENT NAME Kane Springs Federal
NEW [7] WORK DEEP PIEG PIFF Shut-In	S. FARM OR LEADE NAME
2. NAME OF OPERATOR	Kane Springs Federal
Columbia Gas Development Corporation	WELL NO. 28-1ST
3. ADDRESS OF OPERATOR P.O. Box 1350, Houston, TX 77251-1350	· Carrie
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements).	5 1992 10. FIELD AND POOL, OR WILDCAT
A	Wildcat  11. SEC., T., B., M., ON BLOCK AND SURVEY
1 1044	JN OF OR AREA
1147' FSL & 1656' FEL Of Sec. 28"	Sec. 28-T25S-R19E
At total depth 2416' FSL & 1374' FEL 14. PERMIT NO. DATE ISSU	ID 12. COUNTY OR   13. STATE
43-019-31325   9/6/9	PARISH
	NS (DF, RES, RT, GR, ETC.) 19. ELEY. CABINGHEAD
10/27/91 2/2/92 2/24/92 GR: 557	
20. TOTAL DEPTH, MD & TVD   21. PLUC, BACK T.D., MD & TVD   22. IF MULTIPLE COMPL., HOW MANY	INTERVALS ROTARY TOOLS CABLE TOOLS DRILLED BY
9012MD/7232TVD   9012MD/7232TVD   NA	XXXX 25. WAS DIRECTIONAL
24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  7673 MD/ 7336' TVD - 9012' MD/ 7233' TVD	SUBVEY MADE
, 0, 0	Yes
CNCB 26. TIPE ELECTRIC AND OTHER LOGG RUN 745-92 1!600(2) 1! 240	27. WAS WELL CORED
DIL/GR, BHC/GR, RWD DUAL PROPAGATION RESISTIVITY P	
28. CASING RECORD (Report all strings set in we	
CASING SIZE WEIGHT, LE /FT. DEPTH SET (MD) HOLE SIZE	CEMENTING RECORD AMOUNT PULLED
30" Conductor 85 Driven	
77.7 (08.1770	Cl. G Neat Cl. C Nea
7.071	Pacesetter + 365 sx Cl G Nea sx Cl. G
9-5/8" 53.5# C-95 : 7687   12-1/4"   1210 26   LINER RECORD   300	TUBING RECORD
BIZE TOP (MD) BOTTOM (MD) SACES CEMENT	PACKER SET (MD)
5-1/2" 7384' 9012' Pkr @ 7278' A5 per	nitted: 7278!
31. FRAFORATION RECORD (Interval, siz. and number)	ZE, ETC.
Preperfed pipe every 3 feet @ 90	FSL 1900 FEL
degree intervals	FSL 1900 PCL
	Δ
	<u>n</u> L
DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gos left, pu	Producing or
DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas left, pu	3 FSL 2017 FEL PATIO
2/24/92   Flowing  DATE OF TEST   HOURS TESTED   CHOKE BIZE   FROD'N. FOR	2 KST 2017 FEL 18-01L BATIO
2/24/92 *SEE NOTE 7 TEST PERIOD 22 7	) 100 -
PLOW. TUBING PRESS.   CASING PRESSURE   CALCULATED   OIL-BBL.   24-BOUR RATE	VITY-API (CORR.)
and the same of th	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
NA 35. LIST OF ATTACHMENTS	
Directional Survey, Logs on Pilot Hole, Original	Directional Hole & Sidetra
36. I hereby certify, that the foregoing and attached information is complete and correct as de	
111 . 41 6/	
SIGNED Wendy X. Alsolimany TITLE Regulatory Co	DATE
to the land of the state of Date of	D C: J. \

# NSTRUCTIONS

abbuitted, particularly with regard to local, area, or regional procedures and pig eliber are abown below or will be issued by, or may be obtained from, the local Federal and/or State 1930. Bet instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. or both, pursuant to explicable Sederal and for State laws and regulations. Any accessory appeals instructions concerning the use of this form and the number of copies to be General: This form is designed for submitting a gauplets and correct, well completion relevet and lag on all types of lands and leases to either a Federal agency or a State agency

If not filed person to the time this nammary record is submitted, regies of all currently available logs (delibers, geologists, sumple and core analysis, all types electric, etc.), formation and pressure tests, and the requisitions and regulations. All attachments

should be listed on this form, see Item 35.

Hem it If there are no applicable State requirements, locations on Federal or Indian and should be described in accordance with Federal requirements. Consult local State

or Federal office for specific instructions.

Her 18: Indicate which elevation is used as reference (where not otherwise shown! for depth meanurements given to other spaces on this form and in stratchments.

Here 12 and 24: If this well is rempleted for separate production from more than we interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and same(s) (if any) for only the interval intervals, are report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

New 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool 18em 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

	101	TAUR VERT. DAPTH	7237'		-
GEOLOGIC MARKERS		MEAS. DEFTE	7252'		·
88. GEOLO			Cane Creek Clastic #21 S,	• • • : •	10.N 11.1
ED INTERVALS; AND ALL DRILL-STEM TRETS, INCLUDENCE BRUT-IN PRESSURES, AND RECOVERING	DESCRIPTION, CONTENTS; BTC.		Sandstones, Canglomerates, Shales Siltstones, Thin Sandstones Sandstones, Mudstones, Sandy Shales Sandstones, Mudstones, Sandy Shales Salts, Anhydrites, Potash, Siltstones and Shales	(Core taken in Directional Hole)	
ROBITY AND CONTE	BOTTOM		1340 2555 3985 T.D.	7728	
MARY OF POROUS ZONES: BHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THERBOF; COR DEPTH INTERVAL TESTED, CUSHION USED, TIMB TOOL OPEN, FLOWING AND	701		640 917 1340 1 2555 3985	7697	
31, SUMMARY OF POROUS ZONES: 8HOW ALL IMPORTANT EDIES OF DEPTH INTERVAL TESTED, CUGS	FORMATION		Chinle Moenkopi Cutler Honaker Trai Paradox	Conventional Core	

# Teleco Oilfield Services, Inc. Rocky Mountain Region

Columbia Gas Development Corporation

Well Name

Location

Date Surveyed Job No.

Survey Performed By

: Kane Springs Federal No. 28-1: Bartlett Flat Field: Grand County, Utah

: 12/04/91-12/31/91 : TRM 383

: G. Hofmann, J. Escalante, A. Escalante

CONFIDENTIAL

this survey is correct to the best of my knowledge and is supported by actual field data.

.... COMPANY REPRESENTATIVE

JUL 1 5 1992

**DIVISION OF OIL GAS & MINING** 

: Columbia Gas Development Corporation : Kane Springs Federal No. 28-1 lient Well Name

: Bartlett Flat Field

Location : Grand County, Utah

Date 12/04/91-12/31/91

Filename : KANE

No Interpolation

Plane of Vertical Section 344.05°

Tatitude & Departure relate to : PLATFORM CENTER PLATFORM CENTER Slot Coordinates : Lat 0.000

0.000ft : Dep 0.000ft

pirections Referenced To : TRUE NORTH pepth at Drill Floor 0.00 ft

Salculation Method : MINIMUM CURVATURE

Magnetic Declination :+12°51.000'E

Platform north +0° 0' 0'' (T) :

rid convergence +0.0000°

lient : Columbia Gas Development Corporation Page 1 of 2
Well Name : Kane Springs Federal No. 28-1 Date 12/04/91-12/31/91
: Bartlett Flat Field Filename : KANE

Columbia Gas Development Corporation Page 1 of 2
Date 12/04/91-12/31/91
Filename : KANE

: No Interpolation

_		•				NO	Interpolat	cion		
	MD ft 6709 6747	C\L ft 0 38	INC deg 7.50 7.70	DIR deg 188.10 191.10	TVD ft 6701.50 6739.17	VS ft -162.56 -167.09	LAT ft -187.50 -192.45	DEP ft -64.50 -65.34	D'LEG °/100 0.000 1.169	
	6778 6810 6841	31 32 31	6.70 6.00 7.00	201.30 225.20 259.30	6769.92 6801.73 6832.54	-170.38 -172.67 -173.28	-196.18 -199.09 -200.59	-66.40 -68.26 -71.27	5.224 8.476 12.654	
Part Dad to	6872 6903 6935 6963 6998	31 31 32 28 35	9.80 13.50 17.60 21.40 24.90	282.50 295.20 301.50 308.20 315.20	6863.22 6893.58 6924.40 6950.79 6982.98	-171.85 -168.21 -162.19 -154.92 -143.29	-200.37 -198.25 -194.13 -188.76 -179.58	-75.70 -81.56 -89.06 -96.69 -106.91	14.009 14.454 13.839 15.727 12.705	
Andrew Andrews	7030 7061 7093 7125 7156	32 31 32 32 31	27.20 29.30 32.30 35.40 39.60	322.60 328.60 333.50 337.30 339.50	7011.73 7039.04 7066.53 7093.11 7117.70	-130.58 -116.67 -100.71 -83.09 -64.32	-168.98 -156.88 -142.54 -126.33 -108.78	-116.10 -124.36 -132.25 -139.65 -146.58	12.429 11.386 12.215 11.726 14.219	
Maria Maria Maria	7187 7220 7251 7283 7314	31 33 31 32 31	43.90 49.00 53.80 58.70 63.50	340.90 343.70 345.40 345.80 346.10	7140.82 7163.55 7182.89 7200.66 7215.64	-43.73 -19.83 4.39 30.97 58.09	-89.36 -66.58 -43.24 -17.47 8.85	-153.56 -160.80 -167.24 -173.85 -180.44	14.192 16.630 16.065 15.348 15.507	
一年の子子の一年 一年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	7345 7377 7409 7441 7472	31 32 32 32 32 31	68.50 71.20 71.50 71.20 71.00	346.10 346.80 346.50 346.50 346.50	7228.24 7239.26 7249.50 7259.73 7269.77	86.38 116.40 146.68 176.98 206.28	36.33 65.53 95.03 124.51 153.03	-187.24 -194.28 -201.28 -208.36 -215.20	16.129 8.684 1.291 0.938 0.644	
Bass France	7504 7535 7567 7599 7628	32 31 32 32 29	71.20 71.20 71.10 70.60 70.30	346.50 346.80 346.80 346.80 346.50	7280.14 7290.13 7300.47 7310.96 7320.67	236.53 265.84 296.09 326.28 353.58	182.47 211.02 240.51 269.94 296.53	-222.27 -229.05 -235.96 -242.86 -249.17	0.624 0.916 0.315 1.563 1.421	
Binasigada B gamerre	7723 7755 7787 7819 7850	95 32 32 32 31	70.80 75.10 79.40 79.80 79.90	347.20 346.80 346.50 346.50 346.10	7352.30 7361.68 7368.74 7374.52 7379.98	443.05 473.60 504.77 536.22 566.71	383.76 413.56 443.92 474.52 504.17	-269.55 -276.43 -283.64 -290.99 -298.21	0.872 13.491 13.469 1.250 1.311	
ではない 東方の できながない	7881 7912 7944 7974 8000	31 31 32 30 26	79.10 79.50 79.50 79.60 78.90	346.50 346.80 346.80 347.20 347.20	7385.63 7391.39 7397.22 7402.66 7407.51	597.17 627.60 659.02 688.49 713.99	533.78 563.42 594.05 622.80 647.71	-305.43 -312.47 -319.65 -326.29 -331.95	2.876 1.603 0.000 1.353 2.692	
*										

lient : Columbia Gas Development Corporation Page 2 of 2
Well Name : Kane Springs Federal No. 28-1 Date 12/04/91-12/31/91
: Bartlett Flat Field Filename : KANE
cocation : Grand County, Utah

No Interpolation

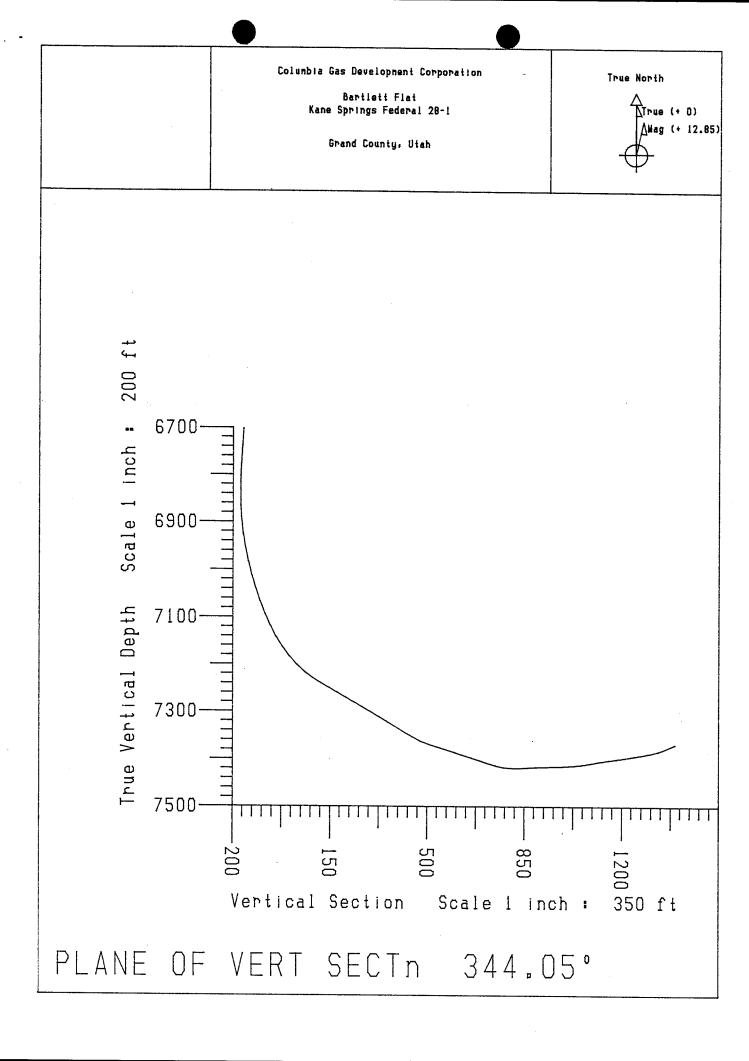
	MD 6 ft 8032 8064 8096 8127 8159	ft 32 32 32 31 32	INC deg 80.20 84.70 90.20 92.70 92.20	DIR deg 347.20 347.90 348.60 349.30 349.30	TVD ft 7413.31 7417.52 7418.94 7418.16 7416.79	VS ft 745.41 777.07 808.94 839.81 871.65	LAT ft 678.40 709.36 740.65 771.06 802.48	DEP ft -338.92 -345.75 -352.26 -358.20 -364.14	D'LEG '/100 4.062 14.229 17.326 8.374 1.563
No. of the second	8187	28	91.60	349.30	7415.86	899.52	829.98	-369.33	2.143
	8215	28	90.70	348.90	7415.30	927.40	857.47	-374.63	3.517
	8250	35	90.90	348.90	7414.81	962.27	891.81	-381.36	0.571
	8282	32	91.80	348.90	7414.06	994.15	923.20	-387.52	2.813
	8314	32	92.50	348.60	7412.85	1026.02	954.56	-393.76	2.380
	8345	31	94.50	348.90	7410.96	1056.85	984.91	-399.80	6.523
	8369	24	96.00	348.90	7408.77	1080.67	1008.36	-404.40	6.250
	8377	8	96.20	348.60	7407.92	1088.60	1016.16	-405.95	4.492
	8409	32	96.20	348.60	7404.46	1120.31	1047.35	-412.24	0.000
	8441	32	94.90	348.60	7401.37	1152.06	1078.57	-418.53	4.062
	8472	31	94.70	348.60	7398.77	1182.85	1108.85	-424.64	0.644
	8503	31	95.20	348.60	7396.10	1213.64	1139.13	-430.74	1.613
	8534	31	96.00	348.60	7393.07	1244.39	1169.37	-436.84	2.580
	8560	26	96.10	348.60	7390.33	1270.17	1194.71	-441.95	0.388
	8591	31	96.40	348.20	7386.96	1300.89	1224.90	-448.15	1.607
	8623	32	99.80	348.20	7382.45	1332.49	1255.91	-454.63	10.625
	8638	15	101.70	348.20	7379.65	1347.18	1270.33	-457.64	12.667
	8685	47	107.65	348.20	7367.75	1392.51	1314.82	-466.93	12.660

rigin of Bottom Hole Closure PLATFORM CENTRE Bottom Hole Closure 1395 ft 340.45°

The survey at 6709 feet is the Tie-In. The survey at 8685 feet is projected from the previous survey station.

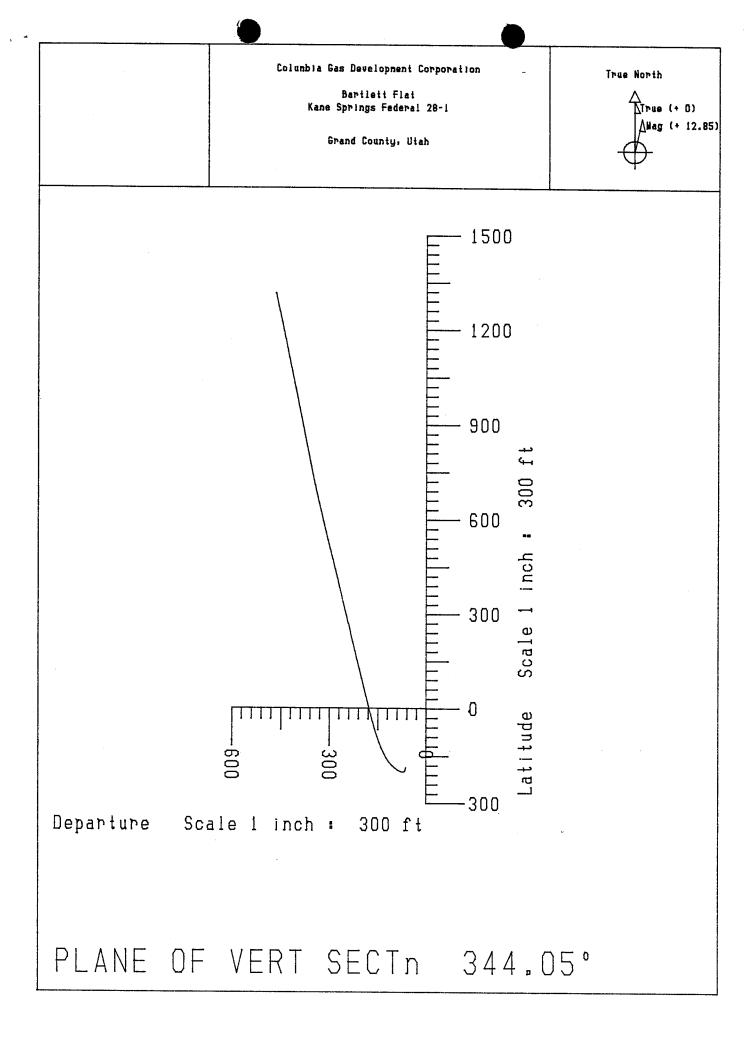
E. a. a.

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Principal Englished H. Commissions

Catalogue Sale



The state

- Pierring

St. north

# Teleco Oilfield Services, Inc. Rocky Mountain Division

# Columbia Gas Development Corporation

Well Name Location

: Kane Springs Federal 28-1 ST

: Bartlett Flat Field : Grand County, Utah

Date Surveyed

: 1/20/92 to 2/1/92 : TRM 383-A

Job No.

Survey Performed By

: George Hofmann Javier Escalante

CONFIDENTIAL

This survey is correct to the best of my knowledge and is supported by actual field data.

.. COMPANY REPRESENTATIVE

JUL 1 5 1992

DIVISION OF OIL GAS & MINING

Client : Columbia Gas Development Corporation

Well Name : Kane Springs Federal 28-1 ST

: Bartlett Flat Field Location : Grand County, Utah

Date 1/20/92 to 2/1/92

Filename : KANE2

No Interpolation

Plane of Vertical Section 343.00°

Matitude & Departure relate to : WELLSITE CENTER Yertical Section Originates at : WELLSITE CENTER Slot Coordinates : Lat 0.000ft 0.000ft

: Dep : TRUE NORTH

Directions Referenced To Depth at Drill Floor 0.00 ft

Calculation Method : MINIMUM CURVATURE

Magnetic Declination :+12.85°WELLSITE North +0° 0' 0'' (T)

Grid convergence : +0.0000°



: Columbia Gas Development Corporation
Well Name : Kane Springs Federal 28-1 ST
Location : Bartlett Flat Field
: Grand County, Utah Page 1 of 2 Date 1/20/92 to 2/1/92 Filename: KANE2

## No Interpolation

							Icorpora	CTO11		
	ft 7881 7895 7927 7959	C\L ft 0 14 32 32	INC deg 79.10 78.50 79.20 81.50	DIR deg 346.50 345.80 344.70 343.70	TVD ft 7385.63 7388.35 7394.54 7399.90	VS ft 599.76 613.47 644.84 676.38	LAT ft 533.78 547.11 577.47 607.83	DEP ft -305.43 -308.72 -316.71 -325.30	D'LEG °/100 0.000 6.514 4.020 7.820	
1	7990 8021	31	83.70 85.90	343.00 342.60	7403.89 7406.70	707.12 737.99	637.28 666.77	-334.11 -343.24	7.442 7.212	
	8053 8086 8115 8147	32 33 29 32	89.70 94.60 98.70 100.70	343.00 344.00 344.70 344.40	7407.93 7406.69 7403.34 7397.94	769.96 802.92 831.71 863.24	697.31 728.92 756.65 787.05	-352.69 -362.05 -369.82 -378.23	11.940 15.154 14.340 6.318	
	8178 8209 8241 8272 8303	31 31 32 31 31	100.50 99.10 99.10 99.30 99.60	345.10 345.80 346.50 346.80 347.50	7392.24 7386.97 7381.90 7376.95 7371.86	893.70 924.22 955.77 986.30 1016.80	816.45 846.01 876.69 906.47 936.28	-386.24 -393.92 -401.48 -408.54	2.312 5.035 2.160 1.152	
	8334 8366 8398	31 32 32	99.70 99.80 100.10	347.90 348.20 348.20	7366.66 7361.24 7355.71	1047.26 1078.68 1110.07	966.14 996.99 1027.85	-415.35 -421.86 -428.39 -434.83	2.428 1.312 0.976 0.938	
	8429 8460	31 31	100.10 100.10	348.20 348.20	7350.28 7344.84	1140.46 1170.85	1057.72 1087.60	-441.07 -447.31	0.000	
	8491 8523 8554 8586 8618	31 32 31 32 32	100.60 100.70 100.60 100.20 98.80	347.90 347.50 347.50 347.90 348.60	7339.27 7333.36 7327.63 7321.85 7316.57	1201.23 1232.57 1262.95 1294.32 1325.74	1117.43 1148.16 1177.90 1208.65 1239.55	-453.63 -460.33 -466.92 -473.63 -480.05	1.873 1.267 0.325 1.753 4.878	
	8650 8682 8715 8745 8777	32 32 33 30 32	96.50 94.50 94.10 94.30 97.30	349.30 350.00 350.00 350.00 349.30	7312.31 7309.24 7306.77 7304.57 7301.34	1357.29 1388.92 1421.58 1451.28 1482.90	1270.68 1302.01 1334.42 1363.88 1395.20	-486.13 -491.85 -497.57 -502.76 -508.48	7.507 6.619 1.212 0.666 9.624	
hills and the said	8819 8851 8882 8914 8945	42 32 31 32 31	104.80 109.90 111.20 109.50 107.90	349.60 349.60 350.40 350.40 350.70	7293.29 7283.75 7272.87 7261.75 7251.81	1523.83 1554.16 1582.97 1612.72 1641.83	1435.69 1465.72 1494.31 1523.89 1552.85	-516.02 -521.54 -526.58 -531.58 -536.40	17.871 15.938 4.840 5.312 5.242	
	9012	67	104.44	351.35	7233.15	1705.54	1616.41	-546.44	5.248	

Client : Columbia Gas Development Corporation Well Name : Kane Springs Federal 28-1 ST

Location : Bartlett Flat Field

: Grand County, Utah

Page 2 of Date 1/20/92 to 2/1/92

Filename : KANE2

No Interpolation

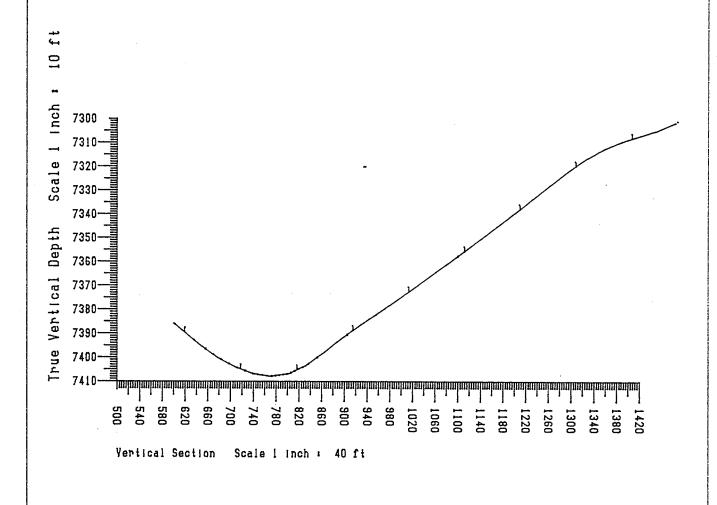
Prigin of Bottom Hole Closure WELLSITE CENTRE Bottom Hole Closure 1706 ft 341.32°

The survey at 7881 feet is the Tie In. The survey at 9012 feet is projected.

Columbia Gas Development Corporation Bartlett Flat Field Kane Springs Federal 28-1 Sidetrack Grand County, Utah

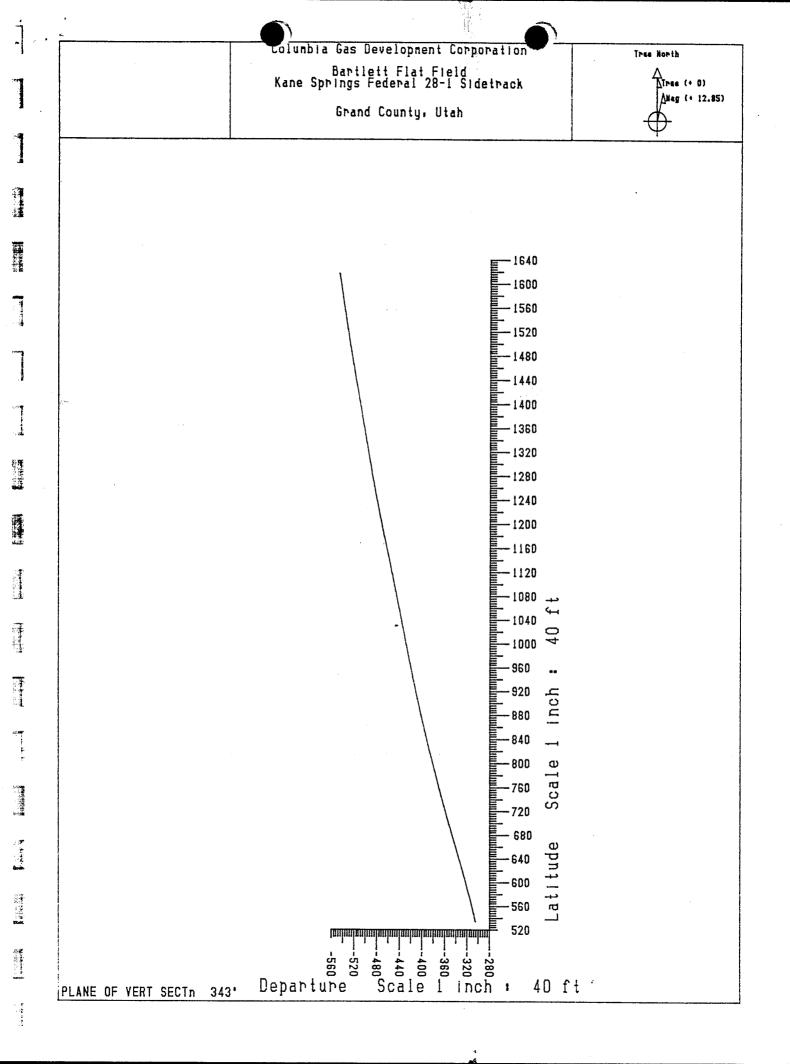
True North

| North | 12.85



1

PLANE OF VERT SECTn 343°





# REPORT of SUB-SURFACE DIRECTIONAL SURVEY

BEGRIMEI

JUL 1 5 1992

DIVISION OF CIL GAS & MINING

CONFIDENTIAL

COLUMBIA GAS DEVELOPMENT CORP.

COMPANY

KANE SPRINGS FEDERAL #28-1

WELL NAME

GRAND COUNTY, UTAH

LOCATION

JOB NUMBER

TYPE OF SURVEY

DATE

412-774

Seeker Rate Gyro Multishot 0'-4,200' Electronic Multishot Survey 4,200'-7,212' 11-16-91

SURVEY BY Mr. C. Lake

OFFICE RM 412 - Vernal, Utah COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL NO.28-1
slot #1
SEC.28-T26S-R20E
Grand County, Utah

#### SURVEY LISTING

Your ref : RGMS Our ref : svy212 Other ref :

Date printed : 3-Dec-91
Date created : 3-Dec-91
Last revised : 3-Dec-91

Field is centred on n38 32 0.000,w109 45 0 Structure is centred on n38 32 0.000,w109 45 0

COLUMBIA GAS DEVELOPMENT CORPORATION KANE SPRINGS FEDERAL NO.28-1, slot #1 SEC.28-T26S-R20E, Grand County, Utah

SURVEY LISTING Page 1 Your ref : RGMS Last revised : 3-Dec-91

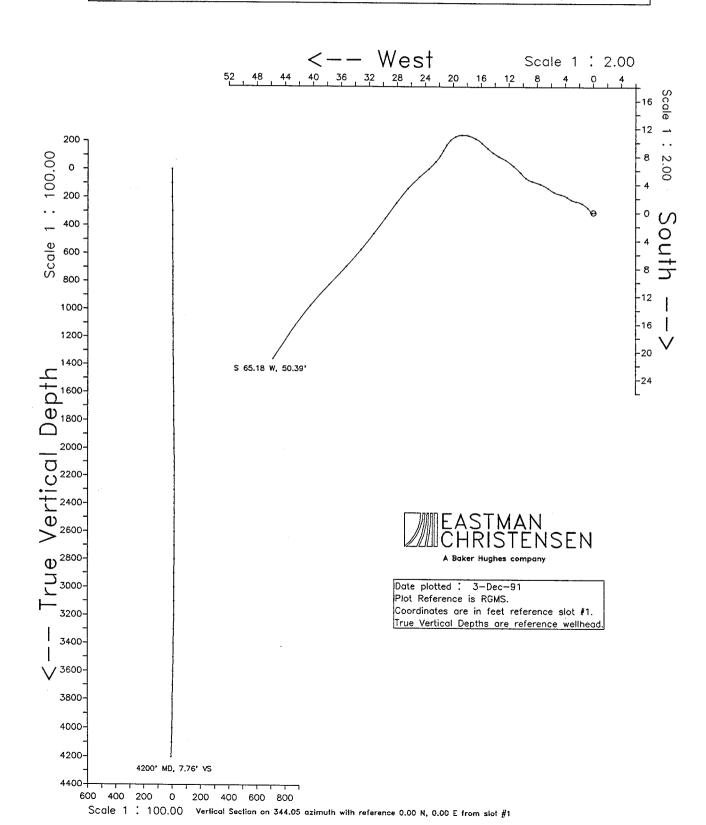
Measured Depth		Azimuth Degrees	True Vert. Depth	R E C T A N C O O R D I	GULAR NATES	Dogleg Deg/100Ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00 Seeker I Gyro Survey
100.00	0.14	239.77	100.00	0.06 S	0.10 W	0.14	-0.03 Surveyor: Mr. C. Lake
200.00	0.06	249.58	200.00	0.14 S	0.26 W	0.08	
300.00	0.31	339.86	300.00	0.14 S	0.40 W		-0.06 Date Run: 16-Nov-91
400.00						0.32	0.20
400.00	0.50	315.89	400.00	0.66 N	0.80 W	0.25	0.86
500.00	0.62	300.20	499.99	1.25 N	1.57 ₩	0.19	1.63
600.00	0.51	281.23	599.99	1.60 N	2.47 W	0.22	2.22
700.00	0.29	294.13	699.98	1.80 N	3.14 W	0.24	2.59
800.00	0.51	306.38	799.98	2.16 N	3.73 W	0.23	3.10
900.00	0.65	283.13	899.98	2.56 N	4.64 W	0.27	3.73
1000.00	0.50	295.01	999.97	2.87 N	5.59 W	0.19	4.30
1100.00	0.65	308.76	1099.97	3.41 N	6.43 W	0.20	5.04
1200.00	0.80	290.55	1199.96	4.01 N	7.52 W		
1300.00	0.65	288.83	1299.95	4.44 N		0.27	5.92
1400.00	0.51		1399.95		8.71 W	0.15	6.66
1400.00	0.51	307.70	1399.93	4.89 N	9.60 W	0.24	7.34
1500.00	0.68	320.00	1499.94	5.62 N	10.34 W	0.21	8.24
1600.00	0.91	311.24	1599.93	6.60 N	11.32 W	0.26	9.45
1700.00	0.74	300.90	1699.92	7.45 N	12.47 W	0.22	10.59
1800.00	0.54	295.34	1799.91	7.98 N	13.45 W	0.21	11.37
1900.00	0.52	307.50	1899.91	8.46 N	14.23 W		
1700.00	0.52	307.30	1099.91	0.40 N	14.23 W	0.11	12.05
2000.00	0.65	313.20	1999.90	9.13 N	15.00 W	0.14	12.90
2100.00	0.63	311.18	2099.90	9.88 N	15.83 W	0.03	13.85
2200.00	0.65	299.07	2199.89	10.52 N	16.74 W	0.14	14.71
2300.00	0.58	286.01	2299.89	10.93 N	17.72 W	0.16	15.38
2400.00	0.55	265.52	2399.88	11.03 N	18.69 W	0.20	15.74
2500.00	0.53	244.68	2499.88	10.80 N	19.59 W	0.20	15.76
2600.00	0.55	224.74	2599.87	10.26 N	20.34 W	0.19	15.45
2700.00	0.49	213.90	2699.87	9.56 N	20.92 W	0.11	14.94
2800.00	0.53	205.56	2799.86	8.79 N	21.36 W	0.08	14.32
2900.00	0.51	213.51	2899.86	8.00 N	21.80 W	0.07	13.69
				0.00 11	21.00 #	0.01	15.09
3000.00	0.70	222.12	2999.86	7.18 N	22.46 W	0.21	13.07
3100.00	0.89	227.85	3099.85	6.20 N	23.44 W	0.20	12.41
3200.00	1.20	228.02	3199.83	4.98 N	24.80 W	0.31	11.60
3300.00	1.43	222.09	3299.80	3.36 N	26.41 W	0.27	10.48
3400.00	1.58	216.13	3399.77	1.32 N	28.06 W	0.22	8.98
77.00 00							
3500.00	1.54	216.61	3499.73	0.87 S	29.68 W	0.04	7.31
3600.00	1.61	216.73	3599.69	3.08 s	31.32 W	0.07	5.64
3700.00	1.74	220.14	3699.65	5.36 S	33.14 W	0.16	3.95
3800.00	1.95	221.41	3799.60	7.80 s	35.24 W	0.21	2.18
3900.00	2.20	224.43	3899.53	10.45 S	37.71 W		0.32
4000.00	2.40	219.75	3999.45	13.43 s	40.39 W	0.27	-1.81
4100.00	2.80	213.60	4099.35	17.07 S	43.08 W	0.49	-4.58 Final Closure
4200.00	2.78	212.72	4199.23	21.15 S	45.74 W	0.05	-7.76 s 65.18 W, 50.39'
						0.05	

# COLUMBIA GAS DEVELOPMENT CORPORATION

Structure: KANE SPRINGS FEDERAL NO.28-1

Field: SEC.28-T26S-R20E

Location: Grand County, Utah



Company_	Columbia Gas Development Job # 412-774	Date_	11-16-91	
Lease	Kane Springs Federal Well # 28-1	State	Utah	· · · · · · · · · · · · · · · · · · ·
Surveyed	from a depth of 0 feet to a dep	oth of _	4,200	feet.
Type of S	Survey Seeker Rage Gyro Multishot			
Directiona	l Supervisor/Surveyor Charlie Lake			

The data for this survey and the calculations for this survey were obtained and performed by me according to the standards and procedures as set forth by Eastman Christensen Company and are true and correct to the best of my knowledge.

Directional Supervisor/Surveyor

The data and calculations for this survey have been checked by me and conform to the standards and procedures as set forth by Eastman Christensen Company. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site:

Checked by:

Original Copy - District Office File One copy to Houston Office FORM D-1121 COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL NO.28-1
slot #1
SEC.28-T26S-R20E
Grand County, Utah

#### SURVEY LISTING

Your ref : EMS
Our ref : svy211
Other ref :

Date printed : 3-Dec-91 Date created : 3-Dec-91 Last revised : 3-Dec-91

Field is centred on n38 32 0.000,w109 45 0 Structure is centred on n38 32 0.000,w109 45 0

COLUMBIA GAS DEVELOPMENT CORPORATION KANE SPRINGS FEDERAL NO.28-1,slot #1 SEC.28-T26S-R20E,Grand County, Utah

SURVEY LISTING Page 1 Your ref : EMS Last revised : 3-Dec-91

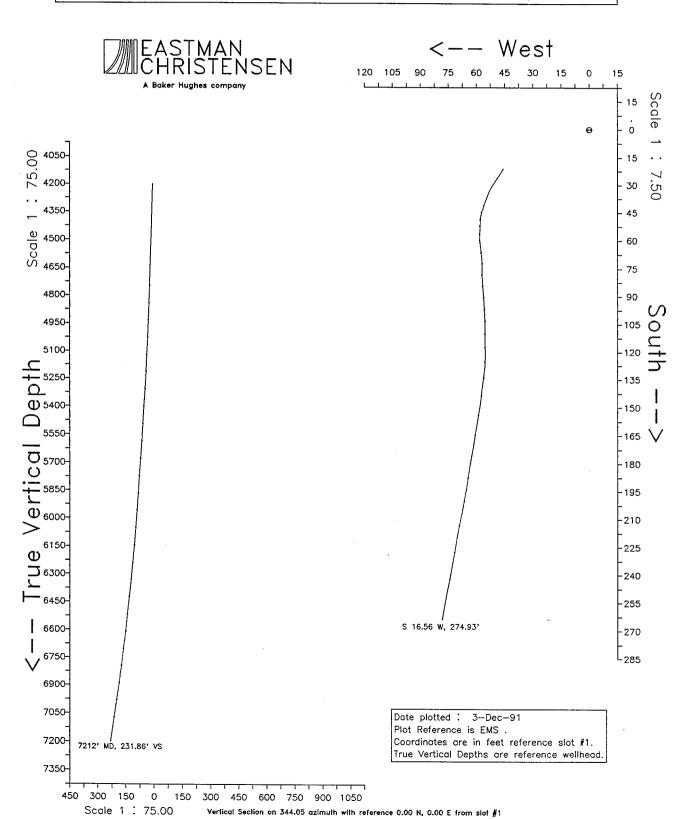
Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G C O O R D I N	ULAR	Dogleg Deg/100Ft	Vert Sect	
4200.00	2.78	212.72	4199.20	21.20 s	45.70 W	0.00	7 00	T110 0
4467.00	1.96	212.47	4465.97	30.50 S	51.65 W		-7.82	EMS Survey
4561.00	2.30	202.24	4559.90	33.60 S			-15.13	Surveyor: Mr. B. Cunningham
4747.00	2.51	199.17	4745.74	40.90 S	53.23 W			Date Run: 28-Nov-91
4841.00	2.31	196.24	4839.66	44.67 S	55.98 W 57.18 W		-23.95	
4041100	2.31	170.24	4037.00	44.07 \$	31.10 W	0.25	-27.23	
4934.00	2.30	184.93	4932.58	48.32 s	57.87 W	0.49	-30.56	
5028.00	2.43	181.27	5026.50	52.20 s	58.07 W		-34.23	
5121.00	2.57	184.01	5119.41	56.25 \$	58.26 W		-38.07	
5214.00	3.22	173.77	5212.30	60.92 S	58.13 W		-42.60	
5308.00	3.41	173.67	5306.14	66.33 S	57.53 W	0.20	-47.96	
555555	<b></b>		3300.14	00.55 3	J1.JJ W	0.20	-47.90	
5401.00	3.57	178.55	5398.97	71.97 s	57.15 W	0.36	-53.49	
5495.00	3.77	178.55	5492.77	77.98 S	57.00 W	0.21	-59.32	
5588.00	3.84	175.60	5585.57	84.15 S	56.68 W	0.22	-65.33	
5681.00	3.89	176.59	5678.36	90.40 s	56.26 W	0.09	-71.46	
5775.00	4.00	176.64	5772.13	96.86 S	55.88 W		-77.77	
			27.22.13	70.00 3	JJ.00 W	0.12	-11.11	
5868.00	3.88	177.32	5864.91	103.24 s	55.54 W	0.14	-84.00	
5962.00	4.28	181.21	5958.68	109.92 S	55.46 W	0.52	-90.45	
6055.00	4.67	178.49	6051.39	117.18 s	55.44 W	0.48	-97.43	
6148.00	5.12	182.07	6144.05	125.11 s	55.49 W		-105.04	
6242.00	5.64	187.72	6237.64	133.88 S	56.26 W		-113.26	
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.,,	113.20	
6335.00	6.32	186.83	6330.13	143.49 S	57.48 W	0.74	-122.17	
6429.00	6.43	188.93	6423.55	153.82 S	58.92 W		-131.71	
6522.00	6.81	189.76	6515.93	164.40 S	60.66 W		-141.40	
6615.00	7.25	189.87	6608.23	175.62 s	62.60 W		-151.66	
6709.00	7.50	188.10	6701.45	187.54 s	64.48 W		-162.60	
						0.50	.02.00	
6802.00	7.93	190.66	6793.61	199.85 s	66.52 W	0.59	-173.88	
6896.00	8.76	191.38	6886.62	213.24 s	69.13 W		-186.03	
6989.00	9.14	189.24	6978.48	227.47 S	71.72 W		-199.01	
7082.00	9.48	191.00	7070.26	242.28 s	74.36 W		-212.52	
7176.00	9.64	190.21	7162.95	257.62 S	77.24 W			Final Closure
_					· · ••			
7212.00	9.59	191.21	7198.45	263.53 s	78.35 W	0.48	-231.86	s 16.56 W, 274.93'

# COLUMBIA GAS DEVELOPMENT CORPORATION

Structure : KANE SPRINGS FEDERAL NO.28-1

Field: SEC.28-T26S-R20E

Location: Grand County, Utah



#### SURVEY CERTIFICATION SHEET

Company Columbia Gas Development	Job # 412-7	74 Date	11-28-91	
Lease Kane Springs Federal	Well #_28-1	State	Utah	
Surveyed from a depth of 4,200	feet to a d	epth of _	7,218	feet.
Type of Survey Electronic Magne	tic Multishot			
Directional Supervisor/Surveyor	Burt Cunninghar	m		

The data for this survey and the calculations for this survey were obtained and performed by me according to the standards and procedures as set forth by Eastman Christensen Company and are true and correct to the best of my knowledge.

Directional Supervisor/Surveyor

The data and calculations for this survey have been checked by me and conform to the standards and procedures as set forth by Eastman Christensen Company. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site:

Checked by:

Original Copy - District Office File One copy to Houston Office FORM D-1121



September 9, 1992



DIVISION OF OIL GAS & MINING

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 ST Sec.28-T25S-R19E Grand County, Utah

#### Gentlemen:

Please find enclosed Columbia's Activity Report for the pit restoration on the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux Regulatory Coordinator Form 3160-5 (June 1990)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR

SUNDRY NOTICES AND REPORTS ON WELLS

**BUREAU OF LAND MANAGEMENT** 

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

#### SFC:50678 BHL:U-48351

6. If Indian, Allottee or Tribe Name

N	/	Δ
TA	/	<b>T</b>

	II or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	N/A			
		7. If Unit or CA, Agreement Designation			
SUBMIT	IN TRIPLICATE	Kane Springs Federal			
1. Type of Well  Oil Gas Well Well Other		8. Well Name and No.			
2. Name of Operator	·	J			
-	Corporation	Kane Springs Fed. 28			
Columbia Gas Development  3. Address and Telephone No.	Corporation	43-019-31325			
•	Texas 77251-1350 713/871-3400	10. Field and Pool, or Exploratory Area			
P. O. Box 1350, Houston, 4. Location of Well (Footage, Sec., T., R., M., or Survey De		Wildcat			
	·	11. County or Parish, State			
300' FSL & 1918' FEL; Se	ec. 28-T25S-R19E	Grand County, Utah			
12. CHECK APPROPRIATE BOX(	s) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION					
Notice of Intent	Abandonment	Change of Plans			
<u></u>	Recompletion	New Construction			
Subsequent Report	Plugging Back	Non-Routine Fracturing			
	Casing Repair	Water Shut-Off			
Final Abandonment Notice	Altering Casing	Conversion to Injection			
	Other Pit Closure	Dispose Water			
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
See Attached for Pit Res	9-2-92 to	SEP 1 1 1992 DIVISION OF			
DA	The same of the sa	IL GAS & MINING			
The state of the s	· · · · · · · · · · · · · · · · · · ·				
14. I hereby certify that the foregoing is true and correct Signed Wendy Das Crimeau	Title Regulatory Coordinato	r _{Date} 9/9/92			
(This space for Federal or State office use)					
Approved by	Title	Date			
Conditions of approval, if any:	•				
No. 1995 April 1995 Ap					

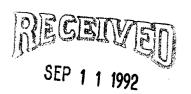
or representations as to any matter within its jurisdiction.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements

#### KANE SPRINGS FEDERAL 28-1ST

#### PIT RESTORATION ACTIVITY

- 8/31 Removed approximately 2 feet of clean surface material and stockpiled on south end of pit.
- 9/1/92 Excavated unmixed material to original bottom of approximately half of the original pit area. Hauled in 225 tons Bentonite. Mixed approximately 50 tons of Bentonite with excavated material.
- 9/2/92 Covered area with 3-12" cap of clean soil/bentonite mix from edge of location to approximately 20' east of reserve pit. Spread stockpiled soil 8-10" thick over pit area.
- 9/8/92 Covered pit with 2-3' of clean topsoil.



DIVISION OF OIL GAS & MINING



September 15, 1992

Bureau of Land Management Attn: Dale Manchester 82 E. Dogwood Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350 Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs #28-1 Sec.28-T25S-R19E Grand County, Utah

#### Gentlemen:

Please find enclosed a Sundry Notice with an attached post-closure pit analysis for the above-referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

REGIZIVED

SEP 1 7 1992

DIVISION OF OIL GAS A MANIAGE



# DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

Expires: March 31, 1993

5. Lease Designation and Serial No.

SFC:50678 BHL:U-48351

21		1070	ידוונו	,0-5
6.	If Indian,	Allottee	or Tribe	Name

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. N/A Use "APPLICATION FOR PERMIT—" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE Kane Springs Federal U 1. Type of Well 8. Well Name and No. X Oil Well Kane Springs Fed. 2. Name of Operator Columbia Gas Development Corporation 9. API Well No. 43-019-31325 3. Address and Telephone No. P.O. Box 1350, Houston, TX 77251-1350 10. Field and Pool, or Exploratory Area 713/871-3400 Wildcat 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1900' FSL & 1900' FEL; Sec.28-T25S-R19E 11. County or Parish, State Grand County, Utah CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Abandonment Notice of Intent New Construction Recompletion Non-Routine Fracturing Plugging Back Subsequent Report Water Shut-Off Casing Repair Conversion to Injection Final Abandonment Notice Closure Pit Dispose Water Analysis (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Attached please find the Post-Closure Pit Analysis for the abovereferenced location.

RECEIVED

SEP 1 7 1992

DIVISION OF OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct Signed Wendy X. Des Crimeaux	Regulatory Coordinator	Date 9/15/92
(This space for Federal or State office use)		
Approved by	Title	Date
		•

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

### Soil Analytical Services, Inc.

Company : Columbia Oil & Gas Submitted by : Richard Spell

Sample : Post-Closure sample

Location: CGDC Kane Springs, Fed. 28-1 Received: 08/10/92

Received: 0 Reference #: 1 Report Date: 0	0081023						Louisiana Regulatory
Parameter	Fed. 28-1		ed. 28-1, uplicate	Tech	Date	Time	Threshold
Moisture, % SP Moisture, % pH SP EC, mmhos/cm Chlorides, ppm	10.3 30.9 11.5 158.7 15,088		10.3 32.1 11.4 154.9 15,088	KM KM LP LP KM	08/11 08/17 08/13 08/13 08/19	10:20 16:00 15:15 16:30 16:20	6.0-9.0 4.0
Soluble Cations,	meq/l						
Sodium Calcium Magnesium	363.2 117.0 <0.1		356.8 107.0 <0.1	KM KM KM	08/20 08/21 08/21	15:15 08:40 09:30	 
SAR	47.5		48.8		-Calculati	on	12.0
CEC, meq/100g	3.4		3.4	KM	08/20	15:15	
Exchangeable Cat	ions, meq/10	00g					
Sodium Calcium Magnesium	2.7 49.3 3.3		2.8 50.1 3.5	KM KM KM	08/20 08/21 08/21	15:15 08:40 09:30	 
ESP, %	78.8		80.5		-Calculati	ion	15.0
Total Metals, pp	m						
Arsenic Barium True Total Ba Cadmium Chromium Lead Mercury Selenium Silver Zinc	4.2 10,670 148,374 <0.5 5.0 16.0 <0.5 <1.0 <1.0 88.0		4.3 10,440 152,542 <0.5 5.0 10.0 <0.5 <1.0 <1.0 81.0	AJA KM KM KM KM KM AJA AJA KM	08/24 08/21 08/21 08/20 08/20 08/20 08/24 08/24 08/20	10:15 11:30 11:30 10:05 10:45 09:15 09:45 13:25 12:25	10 40,000 40,000 10 500 500 10 10 200 500
Oil & Grease, % TOC, %	3.0 2.6		3.0 2.3	SS SS	08/16 08/18	16:30 23:30	1.0

*Analysis methods are from Laboratory Procedures for Analysis of Oilfield Waste, Lousiana DNR, August, 1988

Manager, Inorganic Laboratory

> 415 Graham Rd. College Station, TX 77845 (409) 690-2280 Fax: (409) 690-0261

SEP 1 7 1992

DIVISION OF OIL GAS & MINIME



February 12, 1993

State of Utah Department of Natural Resources Oil, Gas & Mining 355 W. North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Attention:

Mr. Don Staley

Reference:

Gov't. Evelyn Chambers #1 & #2

San Juan County, Utah

Kane Springs #28-1 Grand County, Utah

Dear Sir:

Enclosed please find the "Annual Status Reports" for the above referenced wells.

If you have any questions, or require any additional information, please contact me at 713/871-3377.

Sincerely,

Sonja G. Martin

Engineering Technician

enclosures

cc:

Wendy DesOrmeaux

Columbia Gas Development Corporation

FEB 1 6 1993

DIVISION OF OIL, GAS & MINING

6. Lease Designation and Serial Number
UTU67755X

DIVIDION OF CIE, CAO AND MINIMA	•	010077332			
		7. Indian Allottee or Tribe Name			
SUNDRY NOTICES AND REPORTS ON	N WELLS				
Do not use this form for proposals to drill new wells, deepen existing wells, or to ream Use APPLICATION FOR PERMIT—for such proposa		Unit or Communitization Agreement			
1. Type of Well  Oil Gas Other (specify)	- N - N - N	9. Well Name and Number			
Well Well	IN LIVING	Kane Springs #28-1 -			
2. Name of Operator		10. API Well Number			
Columbia Gas Development Corporation		4301931325			
3. Address of Operator	4. Telephone Number	11. Field and Pool, or Wildcat			
P.O. Box 1350, Houston, Texas 77251-1350	713/871-3377	Wildcat			
5. Location of Well					
Footage : 1900' FSL & 1900' FEL	County				
QQ, Sec, T., R., M. : Sec. 28, T-25S, R-19E		: UTAH			
12. CHECK APPROPRIATE BOXES TO INDICATE NA					
NOTICE OF INTENT (Submit in Duplicate)		QUENT REPORT Original Form Only)			
Abandonment New Construction	Abandonment *	New Construction			
Casing Repair Pull or Alter Casing	Casing Repair	Pull or Alter Casing			
Change of Plans Recompletion	Change of Plans	Shoot or Acidize			
Conversion to Injection Shoot or Acidize	Conversion to Injection	Vent or Flare			
Fracture Treat Vent or Flare	Fracture Treat	Water Shut-Off			
Multiple Completion Water Shut-Off	X Other Annual S	tatus Report			
Other					
	Date of Work Completion	·			
Approximate Date Work Will Start					
	Report results of Multiple Comple on WELL COMPLETION OR REC	tions and Recompletions to different reservoirs OMPLETION AND LOG form.			
	<ul> <li>Must be accompanied by a cer</li> </ul>	ment verification report.			

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Temporarily abandoned, re-evaluating for stimulation/re-completion/ plug & abandonment



DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct					71-014
Name & Signature	Title	Engineering	Tech.	Date	2/12/93
(State Use Only)					



February 16, 1993

Bureau of Land Management Attn: Eric Jones 82 E. Dogwood

Moab, UT 84532

State of Utah Attn: R. J. Firth 355 W. N. Temple 3 Triad Center, Ste. 350

Salt Lake City, UT 84180-1203

Reference:

Columbia Gas Development Corporation

Kane Springs Federal #28-1ST

Sec.28-T25S-R19E Grand County, Utah

Gentlemen:

Please find attached a Sundry Notice requesting extension of the Temporarily Abandoned status on the above-referenced well, along with a memo detailing specific plans.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Regulatory Coordinator

BEGENVEO

FEB 1 8 1993

DIVISION OF OIL GAS & MINING

BUREAU OF LAND MANAGEMENT  SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals  SUBMIT IN TRIPLICATE  1. Type of Well  Well Gas Well Other  2. Name of Operator Columbia Gas Development Corporation  3. Address and Telephone No.  P. O. Box 1350, Houston, Texas 77251–1350 (713) 871–3400  4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  1. 1900 FSL & 1900 FEL of Sec. 28–T25S–R19E  Expires: March 31, 1993  5. Less Designation and Serial No.  SFC: 50678 U: 48351  6. If Indian, Allottee or Tribe Name  N/A  7. If Unit or CA. Agreement Designation  Kane Springs Federal Unitation of Well Name and No.  Kane Springs Fed. 28–1ST  9. API Well No.  43–019–31325  10. Field and Pool, or Exploratory Area  Wildcat  11. County or Parish, State  Grand County, Utah	Form 3160-5	UNITED !	STATES	FORM APPROVED
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  SUBMIT IN TRIPLICATE  1. Type of Well  SUBMIT IN TRIPLICATE  1. Type of Well  One  Columbia Gas Development Corporation  1. Address and Trippone No.  P. O. Box 1350, Houston, Texas 77251-1350 (713) 871-3400 (1.5 miles Springs Federal Unitation of Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired of Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired of Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired of Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired of Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired of Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired of Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired of Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired Well Produce, Ser., T. K. K., or Swray Desirptions  1. Desired Well Recompleted Operations (Clearly Ser. Ser. 1255-R195)  1. Desired Produce of Well Produce Ser. Ser. Ser. Ser. Ser. Ser. Ser. Ser	(June 1990)	the state of the s		Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.    Submit in Triplicate		BUREAU OF LAND	MANAGEMENT	
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.    Use "APPLICATION FOR PERMIT—" for such proposals	SU	NDRY NOTICES AND	REPORTS ON WELLS	
Use "APPLICATION FOR PERMIT—" for such proposals    SUBMIT IN TRIPLICATE   7. If this or Cx. Agreement Designation   SUBMIT IN TRIPLICATE   7. If this or Cx. Agreement Designation   Cx	Do not use this form for proposals to drill or to deepen or reentry to a different reservoi			6. If Indian, Allottee or Tribe Name
Line of Owner   Columbia   Gas   Development Corporation   Submit   Name of				N/A
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Columbia   Case   Compared Compared Columbia   Case   Ca		SUBMILINI	RIPLICATE	Vano Springs Endowal Unit
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3. Address and Tetephone No. P. O. Box 1350, Houston, Texas 77251-1350 (713) 871-3400 10. Field and Pox, Exploratory Arts 43-019-31325 10. Field and Pox, Exploratory Arts 410. Coarson of Wildcat 11. Coarson of Plats, Sur Grand County, Utah 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION    Notice of Intern	2. Name of Operator			Kane Springs Fed. 28-1ST
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TYPE OF SUBMISSION    Notice of Intent	12. CHECK APPF	ROPRIATE BOX(s) TO	INDICATE NATURE OF NOTICE, REPOR	RT. OR OTHER DATA
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Columbia Gas Development Corporation respectfully requests a 12 month extension to the Temporarily Abandoned status of the Kane Springs Federal 28–1ST. (Current term expires 5/18/93.)    See attached memo for specific plans.   PEB 1 8 1993	Final Abandonm	ent Notice	Altering Casing	Conversion to Injection
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OIL GAS & MINING  14. I hereby certify that the foregoing is true and correct  Signed Words Signed Words Signed Title Regulatory Coordinator  (This space for Federal or State office use)  Approved by	Temporarily Aban 5/18/93.)	doned status of t	he Kane Springs Federal 28-1ST. ( ans.	Current term expires
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# Columbia Gas Development Corporation Western U.S. AMT

#### MEMORANDUM

TO:

Wendy DesOrmeaux

DATE: February 9, 1993

FROM:

Mike Mendenhall

SUBJECT:

Kane Springs Federal #28-1 Well

Kane Springs Unit Grand County, Utah

Your memo of February 2, 1993, to Rich Newhart indicated that the request for extension of the temporary abandonment status on the Kane Springs Federal #28-1 well would require a drilling program/plans for such well.

Please be advised that Columbia Gas and its partners are planning to commence operations for the drilling of the Kane Springs Federal #25-9-34-1 well by April 1, 1993. It is estimated that the well will be completed by July 1, 1993. We plan to monitor the production on this well and the Kane Springs Federal #27-1 well for four (4) to six (6) months to determine if there is any communication between the wells. If the #27-1 and #34-1 wells interfere with each other and there is a significant drop in reservoir pressure and production rate, the plans to re-enter the #28-1 well will be canceled. Assuming there is little or no communication between the #27-1 and #34-1 wells, we would re-enter the #28-1 well in November or December, 1993 or the first quarter of 1994.

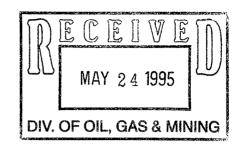
Mike Mendenhall

/ps



May 23, 1995

State of Utah
Department of Natural Resources
Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Attention:

Mr. Jack Johnson

Reference:

Gov't. Evelyn Chambers #1 & #2

San Juan County, Utah

Kane Springs #28-1 & Kane Springs #20-1

Grand County, Utah

Dear Sir:

Enclosed please find the "Annual Status Reports" for the above referenced wells.

If you have any questions, or require any additional information, please contact me at 713/871-3377.

Sincerely,

Sonja G. Rolfes

**Engineering Technician** 

enclosures

cc: Wendy DesOrmeaux

Columbia Gas Development Corporation

rija G. Rollex

**Eric Jones** 

BLM, Moab Office

DIVISION OF OIL, GAS AND MININ	ig.	
	<del></del>	5. Lease Designation and Serial Number: UTU67755X
SUNDRY NOTICES AND REPORTS	ON WELLS	6. If Indian, Allottee or Tribe Name:
Do not use this form for proposals to drill new wells, deepen existing wells, or to reente Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su		7. Unit Agreement Name:
1. Type of Well: OIL K GAS OTHER:		8. Well Name and Number: Kane Springs #28-1
2. Name of Operator: Columbia Gas Development Corporati	on	9. API Well Number: 4301931325
3. Address and Telephone Number: P.O. Box 1350, Houston, Texas 772	51–1350	10. Field and Pool, or Wildcat: Wildcat
4. Location of Well  Footages: 1900' FSL & 1900' FEL  QQ, Sec.,T.,R,M.: Sec. 28, T-25S, R-19E		county: Grand State: Utah
11. CHECK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPO	ORT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate)		QUENT REPORT t Original Form Only)
Abandonment	☐ Abandonment * ☐ Casing Repair ☐ Change of Plans ☐ Conversion to Injection ☐ Fracture Treat ☐ CotherAnnual_Status  Date of work completion	☐ New Construction ☐ Pull or Alter Casing ☐ Shoot or Acidize ☐ Vent or Flare ☐ Water Shut-Off  SReport  and Recompletions to different reservoirs on WELL D LOG form.
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and givertical depths for all markers and zones pertinent to this work.)  Temporarily abandoned, re-evaluati and abandonment.	ng for stimulation/re	

13.	6	1	<b>B.</b> 41	<del></del>	
Name & Signature: Sonja G.	Rolfes Sonya	<u>, 6.</u>	Rolles Ingineering Technici	an Date:	05/23/95

(This space for State use only)

(12/93)

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

|--|

# MONTHLY OIL AND GAS PRODUCTION REPORT

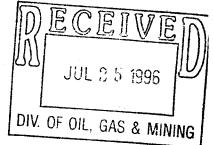
OPERATOR NAME AND ADDRESS:			UTA	H ACCOUNT NUMBE	N5035	
SONJA ROLFES COLUMBIA GAS DEVELOPMENT PO BOX 1350			report period (month/year): 6 / 96			
HOUSTON TX 77251			AME	NDED REPORT (I	Highlight Change	s)
Well Name	Producing	Well	Days		Production Volumes	
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	· · · · · · · · · · · · · · · · · · ·
GOVT EVELYN CHAMBERS #1					CAB(IVICI)	WATER(BBL)
4303730572 07100 31S 24E 6	ISMY		-	126467		
GOVT EVELYN CHAMBERS #2						
4303730612 07100 31S 24E 5	ISMY		<u></u>	426467		
FEDERAL 33-8-N						
4304731787 10760 065 21E 33	GRRV			437116		
COWDEN 31-3-C				u3173/o		
4304731768 10761 06S 21E 31 ✓ALTA #5-1-B	GRRV		•	usina	<u> </u>	
000000000000000000000000000000000000000	CDDV			- FEE	10 100	
4304731776 10771 07S 21E 5 FEDERAL 33-6-F	GRRV			FEL	(bondot)	
_4304731769 10779 06S 21E 33	SENW GRRV		_	128212		
ERAL 33-3-J	NWSE			U XSOID		
4304731804 10787 06S 21E 33	GRRV		_	128212		
FEDERAL 33-7-L	NWSW			,		
4304731844 10915 06S 21E 33	GRRV		_	- U 50687	C.A. KTULO 783	
✓ALTA 5-2-C					10 10	
4304731843 10916 07S 21E 5	GRRV		-	- FEE	(Bond OK)	
KANE SPRINGS FEDERAL 27-1				-11/-071	1/ /	4 . 1
4301931310 11180 255 19E 27 KANE SPRINGS FEDERAL 19-1A	CNCR			- FEE -U 65971 -UTU 53626	Kane Springs	Knit
CONTROL CARCANOLISATION CONTROL CONTRO	CNCD		-	-117/153/2/	V. 50:15	11.: L
4301931324 11353 26S 20E 19 KANE SPRINGS FEDERAL 28-1	CNCR			WIN Sto AL	Kans Springs	e mil
4301931325 11354 25S 19E 28	CNCR			-450678	Syd Kan	prings Unit/Non Er
KANE SPRINGS FEDERAL 10-1	CNCK					<u> </u>
4301931331 11414 25S 18E 10	CNCR			uTh47858	Kane Springs	<i>Unit</i>
			TOTALS			
			,			
COMMENTS:						
OMMENTS:						
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hereny certify that this conset is seen and	de terre					
hereoy certify that this report is true and complete to t	ne best of my	knowledge.		Da	te:	
ame and Signature:						
ane and Signature:				T	elephone Number:	



## United States Department of the Interior

# **BUREAU OF LAND MANAGEMENT**

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155



IN REPLY REFER TO 3100 U-968 et al (UT-932)

JUL 2 3 1996

#### NOTICE

Aviara Energy Corporation P.O. Box 1350 Houston, Texas 77251-1350 Oil and Gas U-968 et al

#### Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Columbia Gas Development Corporation to Aviara Energy Corporation on Federal oil and gas leases.

For our purposes, the name change is recognized effective May 1, 1996 (Secretary of State's approval date).

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator is required by our Field Offices, you will be contacted by them.

Due to the name change, the name of the principal on the bond is required to be changed from Columbia Gas Development Corporation to Aviara Energy Corporation on Bond No. U-391050-16RR (BLM No. CO0356). A rider effecting this change has been submitted to the Colorado State Office of the BLM, which holds this nationwide bond.

#### ROBERT LOPEZ

Group Leader. Minerals Adjudication Group

#### Enclosure

Exhibit (1 p.)

bc:

Lisha Cordova, State of Utah, Division of Oil, Gas and Mining, P.O. Box 145801, Salt Lake City,

Utah 84114-5801

MMS-Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217

Moab District Office Vernal District Office

Teresa Thompson (UT-931)

Irene Anderson (UT-932)

#### Exhibit of Leases

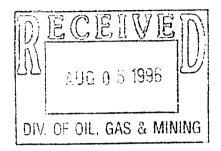
U-968	U-52277	UTU-65329
U-6911	U-52641	UTU-65795
U-15051	U-53624	UTU-65971
U-26467	U-53626	UTU-65972
U-28212	U-54037	UTU-65973
U-31736	U-55510	UTU-66020
U-34023	U-58517	UTU-66025
U-37116	U-60530	UTU-66849
U-46693	U-61182	UTU-67132
U-46697	U-61588	UTU-67552
U-47858	U-62181	UTU-67558
U-49964	U-62679	UTU-67854
U-50393	U-62832	UTU-68116
U-50678	U-62833	UTU-68117
U-50683	U-62906	UTU-68118
U-50687	U-63127	UTU-68122
U-51239	U-63128	UTU-68232
U-51636	UTU-64538	UTU-68342
U-51826	UTU-64927	UTU-69029
U-60780 (CA)	U-60783 (CA)	UTU-73405
UTU-67755X (Kane Springs Unit)	. ,	

# Aviara Energy Corporation

#### VIA AIRBORNE EXPRESS

2 August 1996

State of Utah - Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114



Re: Notification of Name Change from "Columbia Gas Development Corporation" to "Aviara Energy Corporation".

Dear Sirs;

Attached please find documents relating to our company name change from "Columbia Gas Development Corporation" to "Aviara Energy Corporation". I have attached our surety bond rider showing the name change of the principal as well as documents relating to the Corporate name change. These Corporate name change documents contain a Certificate of Corporate Resolution, a Certificate of Amendment of Certificate of Incorporation by the Secretary of State of the State of Delaware evidencing a change of name effective April 30, 1996 from "Columbia Gas Development Corporation" to "Aviara Energy Corporation" and an amended Certificate of Incumbency in accordance with the regulations concerning qualifications of corporations holding Federal leases. I have also attached a list of wells and their locations that will be affected by the name change.

We hereby formally request your acceptance of this rider, and thus, our name change. Please sign the rider and return the appropriate copies to Aviara Energy Corporation (attn: Mr. Dean Roy). Also, please have your office make the necessary changes in your records to reflect this name change at this time.

Should you have questions or require additional information, please feel free to call me at (713) 871-3631. Thank you.

Respectfully,

Donny W Worthington

Manager; Environmental, Safety & Regulatory

DWW/

attachments:

#### <u>UTAH</u>

#### GRAND COUNTY

KANE SPRINGS	FIELD	LOCATION
	Federal Unit #16-1 Federal #19-1A Federal #27-1 Federal #34-1	10-25S-18E 16-25S-18E 19-26S-20E 27-25S-19E 34-25S-19E 28-25S-19E 20-26S-19E
V VIII. V V VIII I		

#### LISBON FIELD

Government Evelyn Chambers #1 (T&Ad) Government Evelyn Chambers #2 (T&Ad)

#### UINTAH COUNTY

#### HORSESHOE BEND FIELD

WELL	LOCATION
Alta 5-1-B Alta 5-2-C Cowden 31-3-C Federal 33-3-J Federal 33-6-F Federal 33-7-L Federal 33-8-N	5-7S-21E 5-7S-21E 31-6S-21E 33-6S-21E 33-6S-21E 33-6S-21E 33-6S-21E

#### **CERTIFICATE**

I, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, a corporation organized and existing under the laws of the State of Delaware, do hereby certify that the attached document titled Certificate of Amendment of Certificate of Incorporation is a true and correct copy of the Certificate of Amendment of Certificate of Incorporation filed in the Secretary of State of the State of Delaware's office on April 30, 1996.

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said Corporation this day of July, 1996.

Robert C. Sylvester Assistant Secretary

CORPORATE SEAL

# State of Delaware Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF

DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT

COPY OF THE CERTIFICATE OF AMENDMENT OF "COLUMBIA GAS

DEVELOPMENT CORPORATION", CHANGING ITS NAME FROM "COLUMBIA GAS

DEVELOPMENT CORPORATION" TO "AVIARA ENERGY CORPORATION", FILED

IN THIS OFFICE ON THE THIRTIETH DAY OF APRIL, A.D. 1996, AT 1:15

O'CLOCK P.M.



Edward J. Freel, Secretary of State

**AUTHENTICATION:** 

7928485

SFERFIARY OF STATE
DIVISION OF CORPORATIONS
FILE 01-15 PM 04/30/1996
960124621 - 735923

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
COLUMBIA GAS DEVELOPMENT CORPORATION

Columbia Gas Development Corporation (the "Corporation"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware.

DOES HEREBY CERTIFY:

FIRST: That the Certificate of Incorporation of Columbia Gas Development Corporation is amended by amending Article First thereof to read in its entirety as follows:

"the Corporation") is Aviara Energy Corporation."

SECOND: That said amendment was duly adopted in accordance with the provisions of \$242 of the General Corporation Law of the State of Delaware and has been consented to in writing by the sole stockholder in accordance with \$228 of the General Corporation Law of the State of Delaware.

IN WITHISS WHIRPOF, said Columbia cas Development Corporation has caused this Certificate to be signed by Larry J. Bainter, its Tobacuser this 29th day of April 1996.

(refrences)

COLUMBIA GAS DEVELOPMENT CORPORATION

Namer Levry J. Buinter

#### **CERTIFICATE**

The undersigned hereby certifies that he is Assistant Secretary of Aviara Energy Corporation, a Delaware corporation (the "Corporation"), that on the 19th day of June, 1996 by Unanimous Consent of the Board of Directors of the Corporation in Lieu of Special Meeting, pursuant to Section 141(f) of the Delaware Corporation Law, the following resolutions were adopted, with the same force and effect as though adopted at a Special Meeting of the Board of Directors of the Corporation duly called and held, that such resolutions are now in full force and effect, and that said resolutions have not been amended or rescinded:

RESOLVED, that, the Chairman and Chief Executive Officer, the President and Chief Operating Officer, the Vice Presidents and the Secretary of the Corporation, be and each of them is hereby authorized and empowered, without the joinder of any other officer of the Corporation, to execute for and on behalf of the Corporation, any and all bids for leases from the United States of America, through the Minerals Management Service (Department of Interior), of any tract or tracts owned by the United States of America, located in either onshore or offshore areas, including tracts in the Outer Continental Shelf, as may at any time, and from time to time, heretofore have been offered or hereafter may be offered for lease by the United States of America, all on such terms and conditions as may be specified in any such offer to lease and on such terms and conditions and for such consideration as the aforementioned officers of the corporation, or any one of them, may deem proper and advisable; and to further execute on behalf of the Corporation all agreements and other instruments (including, without limitation, applications, bids, leases, bonds, assignments, relinquishments, prospecting permits, division and transfer orders, guarantees, indemnities, designations of operator, unitization agreements, operating agreements, liquids commingling agreements, general correspondence and any other documents) which may be necessary, useful or expedient at any time in carrying on the business of the Corporation involving any such lease or asset with the United States of America or any agency, bureau or department thereof; and

RESOLVED, that, any of such officers is further authorized and empowered to sell, assign, transfer, convey and deliver, in the name and on behalf of the Corporation any or all right, title and interest of any character in any lease or asset now owned or hereafter acquired by the Corporation covering any tract or tracts owned by the United States of America, or obtained or used in connection therewith, wherever located, for such prices and upon such terms and conditions as shall be approved by the Board of Directors; and

RESOLVED, that, the Chairman and Chief Executive Officer, the President and Chief Operating Officer, the Vice Presidents and the Secretary of the Corporation, be, and each of them is, hereby authorized and empowered, without the joinder of any other officer of the Corporation, to execute for and on behalf of the Corporation, any and all agreements and other instruments (including without limitation assignments of mining leases, prospecting permits, letter agreements,

consent forms, applications and approval letters) with the Tribe(s) of the Fort Peck Reservation and the Three Affiliated Tribes of the Fort Berthold Indian Reservation or any agency, bureau or department thereof, or any agency, bureau or department of the United States of America concerning same on such terms and conditions as may be specified and for such consideration as he may deem proper and advisable which may be necessary, useful or expedient at any time in carrying on the business of the Corporation upon the aforementioned Reservations; and

RESOLVED, that, the foregoing resolutions be deemed, and are effective, for all purposes as of April 30, 1996.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of the Corporation this _____ day of July, 1996.

Robert C. Sylveste

Assistant Secretary

CORPORATE SEAL

STATE OF TEXAS

COUNTY OF HARRIS

# STATEMENT OF AVIARA ENERGY CORPORATION

The undersigned, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, being first duly sworn on his oath, states that the following is correct to the best of his knowledge.

- 1. <u>State of Incorporation</u>. Aviara Energy Corporation is incorporated in the State of Delaware.
- 2. Authorization to hold oil and gas leases on OCS and other federal lands. Aviara Energy Corporation is authorized to hold oil and gas leases on the Outer Continental Shelf, on other federal lands, including onshore lands, and on tribal lands administered by the Bureau of Indian Affairs or other agency.

Dated this _____ day of July, 1996.

AVIARA ENERGY CORPORATION

Robert C. Sylvester

Assistant Secretary

CORPORATE SEAL

SUBSCRIBED AND SWORN TO before me this 5+6 day of July, 1996.

Notary Public, State of Texas

ary 1 dong, State of Texas

CAROLYN OLIVER NOT/RY PUBLIC, STATE OF TEX. MY COMMISSION EXPIRES JULY 19, 1997

المراب والمرابع المنطق والمرابع والمراب

#### CERTIFICATE OF INCUMBENCY

I, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, a Delaware corporation (the "Company"), do hereby certify that the following named persons now are, and at all times on and subsequent to April 30, 1996, have been duly elected or appointed, qualified and acting officers of the Company holding the offices set after their respective names as follows:

Tracy W. Krohn

Chairman and Chief Executive Officer

James L. Parker

President and Chief Operating Officer

David M. McCubbin

Vice President

Gary J. Mabie

Vice President

Ken Fagan

Vice President

Robert C. Sylvester

Treasurer and Assistant Secretary

Ivan Irwin, Jr.

Secretary

Jere F. Freel

Assistant Secretary

IN WITNESS WHEREOF, I have executed this Certificate and affixed the seal of the Company this ______ day of July, 1996.

Robert C. Sylvester, Assimant Secretary

CORPORATE SEAL

#### CERTIFICATE

I, Robert C. Sylvester, on behalf of Aviara Energy Corporation, (hereinafter called the "Company"), hereby certify that I am an Assistant Secretary of the Company and that:

The following officers and employees are authorized to execute leases, bids for leases, offers to lease, subleases, permits, licenses, applications therefor, assignments thereof, and requests for approval thereof, and other similar documents and to act on behalf of the Company in such matters.

Name
------

#### Office/Title

Tracy W. Krohn	Chairman and Chief Executive Officer
James L. Parker	President and Chief Operating Officer
Gary J. Mabie	Vice President
David M. McCubbin	Vice President
Ken Fagan	Vice President
Ivan Irwin, Jr.	Secretary

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal of the Company this ______ day of July, 1996.

Assistant Secretary

CORPORATE SEAL

Division of Oil, Gas and Minin
ODED ATOD CITA

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#### **OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change. Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-LECUE	6-42
2 STATIFYI	7-KDR
3-DFS	8-SJ
4-VLD	9-FILE
5-RJF	

				J-RJF V
	- ,	nation of Ager itor Name C <del>he</del>		
The operator of the well(s) listed below has changed, effective: 5-1-96				
TO: (new operator) AVIARA ENERGY CORPORATION FROM: (old operator) COLUMBIA GAS DEVELOPMENT				
	(address) PO BOX 1350	(	(address)	PO BOX 1350
	HOUSTON TX 77251		(4441455)	HOUSTON TX 77251
				HOODIGH IN 11251
	Phone: (713)871-3400			Phone: (713)871-3400
	Account no. N5500 (8-6-96)			Account no. N5035
WELL(S) attach additional page if needed: *KANE SPRINGS UNIT C.A. UTU60783				
Name: *	API:			
Name:	ΔΡΙ·	Entity:	$\frac{S}{S} - \frac{T}{T}$	R Lease:
Name:	API:	Entity:	$\frac{3}{5} - \frac{1}{T}$	RLease:
Name:	API:	Entity:	S T	R Lease:
Name: _	API:	Entity:	S T	R Lease:
Name: _	API:	Entity:	. S T	R Lease:
Name:	API:	Entity:	S T	R Lease:
OPERATOR CHANGE DOCUMENTATION  1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form).				
<u>Lee</u> 2.	(r649-8-10) Sundry or other legal document to this form). (Leg. 7-25-96) (Le. 1.1 8-5-96)	ation has been	received f	from the NEW operator (Attach
<u>fic</u> 3.	The Department of Commerce has been contany wells in Utah. Is the company registered file number: <u>Co-08/180</u> . (4.4. 5-8-96)	acted if the new	w operator e? (yes/no	above is not currently operating  If yes, show company
<u>se</u> 4.	FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.			
<u>fcc</u> 5.	Changes have been entered in the Oil and Gas Information System (3270) for each well listed above.  (8-6-46)  Cardex file has been updated for each well listed above. (8-6-46)			
Lig 7.	Well file labels have been updated for each well listed above. (8-6-96)			
<u>ue</u> 8.	Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands. Sovereign Lands, UGS, Tax Commission, etc. (2)			

9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

1	REVIEW
<u>Lec</u> 1.	(r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity change made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
<u>N/H</u> 2.	Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.
BOND V	Trust Linds / Rich Cond Rich Columbia to aviare (Columbia to aviare)  VERIFICATION - (FEE WELLS ONLY) * Kild "Rich" 8-5-96; bond no. chief to U274/451  80,000 Aviara Energy Corporation, United Recitic Ins.  (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2.	A copy of this form has been placed in the new and former operator's bond files.
<u>N/A</u> 3.	The FORMER operator has requested a release of liability from their bond (yes/no), as o today's date If yes, division response was made to this request by letter dated
1.	Copies of documents have been sent on to at Trus Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
FILMIN	G
Ω	G All attachments to this form have been microfilmed. Today's date: MMS+ 21, 1996
<u>M.</u>	•
1. FILING	<b>a</b> .
FILING	All attachments to this form have been microfilmed. Today's date: UMMS4 21, 1990
1.  FILING  1.	All attachments to this form have been microfilmed. Today's date: Myst 21,1990  Copies of all attachments to this form have been filed in each well file.  The original of this form, and the original attachments are now being filed in the Operator Change file.

4	
J	

DIVISION OF OIL, GAS AND MININ	ll 3
STREET OF SIGNATURE	5. Lease Designation and Serial Number: UTU67755X
SUNDRY NOTICES AND REPORTS (	6 It Indian Allottee or Tithe Name:
Do not use this form for proposals to drill new wells, deepen existing wells, or to reente  Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su	
1. Type of Well: OIL XX GAS TOTHER:	8. Well Name and Number: Kane Springs #28-1
2. Name of Operator: Aviara Energy Corporation	9. API Well Number: 43 019 31325
a. Address and Telephone Number: P. O. Box 1350, Houston, TX 77251-1350	(713) 871-3400   10. Field and Pool, or Wildcat:   Wildcat
4. Location of Well Footages: 1900' FSL & 1900' FEL QQ, Sec., T., R., M.: NWSE, Sec. 28, T25S, R19E	County: Grand State: Utah
11. CHECK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPORT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
□ Abandonment       □ New Construction         □ Casing Repair       □ Pull or Alter Casing         □ Change of Plans       □ Recompletion         □ Conversion to Injection       □ Shoot or Acidize         □ Fracture Treat       □ Vent or Flare         □ Multiple Completion       □ Water Shut-Off         □ Other       □ Approximate date work will start         12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and givertical depths for all markers and zones pertinent to this work.)	□ Abandonment □ New Construction □ Casing Repair □ Pull or Alter Casing □ Change of Plans □ Shoot or Acidize □ Conversion to Injection □ Vent or Flare □ Fracture Treat □ Water Shut-Off □ (NotherAnnual Status Report / 996)  Date of work completion  Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  * Must be accompanied by a cement verification report.
Temporarily abandoned. Re-evaluating for sti  13.  Name & Signature: Victoria Guidry / Walana & Walana	mulation/recompletion/plug & abandonment.  DECEIVE SEP 10 1997 DIV. OF OIL, GAS & MINING  Title: Prod/Regulatory Coord. Date: 9-9-97

(This space for State use only)

## DIVISION F OIL, GAS AND MINING

DIV	VISION OF OIL, GAS AND MININ	NG -	,	
	•		5, Lease Designation and Serial Number:	
			UTU67755X	
SUNDRY N	6. If Indian, Allottee or Tribe Name:			
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.			7. Unit Agreement Name:	
1, Type of Well: OIL ITY GAS	OTHER:	·	8. Well Name and Number;	
1. Type of Well: OIL XX GAS	OTHER.		Kane Springs #28-1	
2. Name of Operator:			9. API Well Number:	
Aviara Energy Corpora	tion		43 019 31325	
3. Address and Telephone Number: P. O. Box 1350, Houst	on, TX 77251-1350	(713) 871-3400	10. Field and Pool, or Wildcat: Wildcat	
4. Location of Well				
Footages: 1900' FSL	& 1900' FEL		county: Grand	
QQ, Sec.,T.,R,M.: NWSE, Sec.	28, T25S, R19E		State: Utah	
		ATURE OF NOTICE REPO		
CHECK APPROPE	RIATE BOXES TO INDICATE N	ATORE OF NOTICE, REPO	HI, OR OTHER DATA	
	OF INTENT n Duplicate)		NUENT REPORT  Original Form Only)	
☐ Abandonment	☐ New Construction	☐ Abandonment *	□ New Construction	
Casing Repair	☐ Pull or Alter Casing	Casing Repair	☐ Pull or Alter Casing	
Change of Plans	☐ Recompletion	☐ Change of Plans	Shoot or Acidize	
☐ Conversion to Injection	☐ Shoot or Acidize	☐ Conversion to Injection	☐ Vent or Flare	
☐ Fracture Treat	☐ Vent or Flare	☐ Fracture Treat	☐ Water Shut-Off	
☐ Multiple Completion	☐ Water Shut-Off	KXOther Annual Status	s Report 1997	
Other				
		Date of work completion		
Approximate date work will start		Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.		
		* Must be accompanied by a cement verific		
vertical depths for all markers and zones perti	ERATIONS (Clearly state all pertinent details, and ginent to this work.)  Re-evaluating for sti		· -	
		DIV.	DECEIVE  OCT 21 1998  OF OIL, GAS & MINING	
13. Name & Signature: Victoria Guio	dry Victoria Llaidus	, , _{Title} Prod/Regulat	cory Coord. Date: 10-13-98	

(This space for State use only)

ON WELLS  to reenter plugged and abandoned wells. orm for such purposes	Lease Designation and Serial Number     UTU67755X     Indian, Allottee or Tribe Name:      Unit Agreement Name:		
to reenter plugged and abandoned wells.	7. Unit Agreement Name:		
	-		
	Kane Springs Federal Unit		
	8. Well Name and Number: Kane Springs Fed.#28-1		
	9. API Well Number:		
	43 019 31325		
	10. Field and Pool, or Wildcat		
713-871-3400	Wildcat		
	County: <b>Grand</b> State: II+ah		
	State: Utah		
IATURE OF NOTICE, REPORT, OR			
Date of work completion  Report results of Multiple Completions and COMPLETION OR RECOMPLETION REPORT A	Recompletions to different reservoirs on WELL ND LOG form. on report. d, give subsurface locations and measured and true		
ictoria Guidry roduction/Regulatory Coordinat	cor _{Date} <u>03/22/99</u>		
	Abandon* Repair Casing Change of Plans Convert to Injection Fracture Treat or Acidize  Other Extension of T  Date of work completion Report results of Multiple Completions and COMPLETION OR RECOMPLETION REPORT A * Must be accompanied by a cement verification and give pertinent dates. If well is directionally drilled.  mulation/recompletion/plug & a		

Accepted by the Utah Division of Oil, Gas and Mining

COPY SENT TO OPERATOR Date: 5 Initials:

Date: 3-25-89

(5/94)

By: RTh

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

## Aviara Energy Corporation

February 28, 2000

State of Utah Division of Oil, Gas, and Mining 1594 W. North Temple **Suite 1210** Salt Lake City, Utah 84078-2799

Attention:

Mr. John R. Baza

Reference: Shut-in and Temporarily Abandoned Wells

Annual Status Update

Dear Mr. Baza:

Enclosed please find a Sundry Notice for several inactive wells operated by Aviara Energy Corporation in Utah.

CL, Clarity in 1983

These wells are presently uneconomical to produce and are periodically evaluated for possible stimulation, recompletion or plug and abandonment. Aviara Energy would like to have the shut-in or temporarily abandoned status extend for another year.

If you require additional information or have any questions please contact me at 713-871-3444

Respectfully yours,

Victoria Guidry

Production/Regulatory Coordinator

/vjg

**Enclosures** 

H:\.docs\...\reg\021b

## STATE OF UTAH

DIVISION OF OIL, GAS AND MIN	ling	5. Lease Designation and Serial Number
		UTU67755X
SUNDRY NOTICES AND REPORTS OF	N WELLS	6. Indian, Allottee or Tribe Name:
Do not use this form for proposals to drill new wells, deepen existing wells, or to	reenter plugged and abandoned wells	7. Unit Agreement Name:
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form	Kane Springs Federal Unit	
1. Type of Well: OIL X GAS OTHER:		8. Well Name and Number: Kane Springs Fed.#28-1
2. Name of Operator		9. API Well Number:
Aviara Energy Corporation		43 019 31325
Address and Telephone Number.		10. Field and Pool, or Wildcat Wildcat
P.O. Box 1350, Houston TX 77251-1350	713-871-3400	
4. Location of Well Footages: 1900' FSL & 1900' FEL		
	<u>.</u>	County: <b>Grand</b>
QQ,Sec., T., R., M.: NWSE, Sec. 28, T25S, R19E		State: Utah
11. CHECK APPROPRIATE BOXES TO INDICATE NAT	URE OF NOTICE REPORT OR O	THED DATA
NOTICE OF INTENT	SUBSEQUENT	
(Submit in Duplicate)	(Submit Original	
Abandon New Construction	Abandon*	New Construction
Repair Casing Pull or Alter Casing	Repair Casing	Pull or Alter Casing
Change of Plans Recomplete	Change of Plans	Perforate
Convert to Injection Perforate	Convert to Injection	Vent or Flare
Fracture Treat or Acidize Vent or Flare	Fracture Treat or Acidize	Water Shut-Off
Multiple Completion Water Shut-Off	X Other Extension of T&	
Other	EXCENSION OF 18	A StatusAillud 1 1999
	Date of work completion	
Approximate date work will start	Report results of Multiple Completions and ReCOMPLETION OR RECOMPLETION REPORT AND	Completions to different reservoirs on WELL
	Must be accompanied by a cement verification	
DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and g vertical depths for all markers and zones pertinent to this work.)		
vertical depths for all markers and zones pertinent to this work.)  Temporarily abandoned. Re-evaluating for stimula		
		MAR 8 1 2000
		DIVISION OF OIL, GAS AND MINING
		·
	ria Guidry ction/Regulatory Coordinator	Date 02/28/00
(This space for State use only)		
The Extension for Shut-in Time issued 2MAL-1999 EX In accordance with R649-3-36.3, provide the Division of Oil, C of Good Cause as to why this well should not be plugged.	PIRES / - A/A -2000 Gas & Mining a Showing	Accepted by the Utah Division of Oil. Gas and Mining

(5/94)

(See Instructions on Reverse Side)

FOR RECORD ONLY

Form 3160-5 (November 1994)

# TED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY	NOTICES	AND	REPORTS	ON	WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

FORM APPROVED				
Budget Bureau No.	1004-0135			
Dunings Inter 21	1006			

7. If Unit or CA/Agreement, Name and/or No.

Expires July 31, 1996

5. Lease Serial No.

UTU	67755X
<del></del>	<u> </u>

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE -	- Outer instructions	on reverse side		Kane Spring	s Federal Unit
1. Type of Well    V   Oil					· · · · · · · · · · · · · · · · · · ·
Mell Well ☐ Other				8. Well Name and Kane Spring	
2. Name of Operator				Katie Spi Ing	35 Fed. #20-1
Aviara Energy Corporation				9. API Well No.	,
3a. Address		3b. Phone No. (include area co	ode)	43-019-3132	25
P.O. Box 1350, Houston TX 77251-13		713-871-3400		10. Field and Poo	l, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Descrip	iption)			Wildcat	
1900' FSL & 1900' FEL			-		
NWSE, Sec. 28, T25S, R19E				11. County or Par	
				Grand Count	ty. UT
12. CHECK APPROPRI	IATE BOX(ES) TO IN	DICATE NATURE OF NOT	TICE, REPORT,	OR OTHER DATA	<b>A</b>
TYPE OF SUBMISSION		TYPI	E OF ACTION		
X Notice of Intent	Acidize	Deepen	Production	(Start/Resume)	Water Shut-Off
	Alter Casing	Fracture Treat	<del></del>	·	-
Subsequent Report		吕	Reclamation	<u></u>	Well Integrity
_	Casing Repair	New Construction	Recomplete	LX	Other <u>Annual</u>
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily	Abandon	Status Report
	Convert to Injection	on Plug Back	Water Dispo	osal	2000
Aviara Energy Corp. requests a well until April 1, 2001.  Aviara would like to maintain Development, while "awaiting for treatment could establish commoreentry of this well reducing	this status, as further tests an mercial producti	stated in the rece d evaluation to det on". This evaluati	ently submit ermine if s	ted Unit Pla timulation o	or other to a
COPY SENT, TO OPERATOR Date:		F	RECE MAR 2 9		
·		O	DIVISIO	N OF D MINING	·
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)  Victoria Guidry	i Duidry	Title Produc	tion/Regula	tory Coordin	nator
The Extension for Shut-in or Temporarily	andenment may be is		A	ted by the	<del></del>
			UE USE	Division of	
R649v3-36.1.1, 1.2 & 1.3, upon receipt and rev			-	I Date	na
the supporting data specified in the sited rule. Conditions of approval, if any, are attached. Approval o certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations thereon	those rights in the subj	arrant or office ect lease	On, G	las & Mini	nk
Title 18 U.S.C. Section 1001, makes it a crime for any fraudulent statements or representations as to any matter within	y person knowingly and n its jurisdiction.	willfully to make to any dep	artment or agency	of the United Sta	ates any false, fictitious or

Form 3160-5 (November 1994)

### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

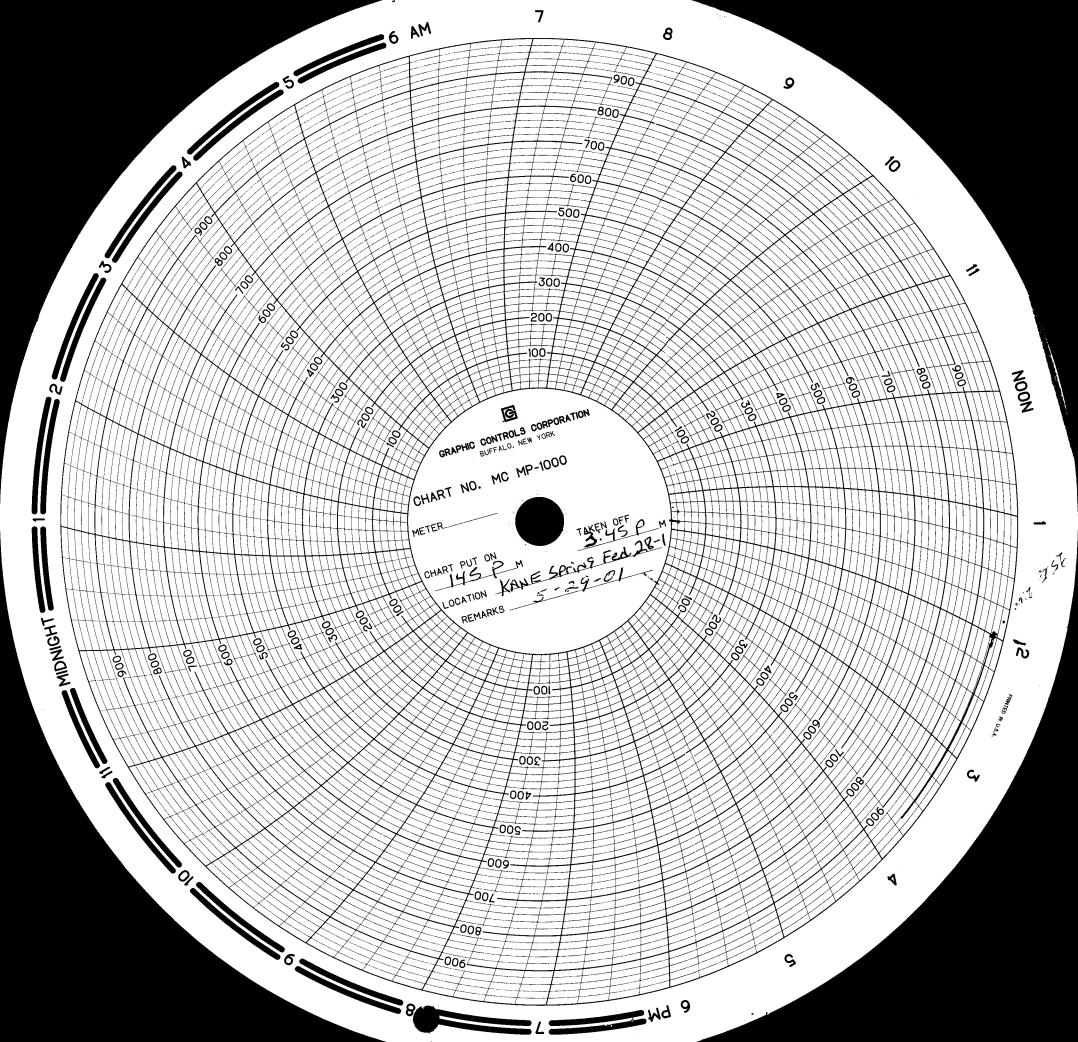
FORM APPROVED				
Budget Bureau No.	1004-0135			
Evoices Into 21	1006			

5. Lease Serial No.

SUNDRY NOTICES	AND REPORTS (	N WELLS		UTU 67755X
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.				6. If Indian, Allottee or Tribe Name
abandoned well. Use Fort	n 3160-3 (APD) foi	such proposals.		
SUBMIT IN TRIPLICATE -	7. If Unit or CA/Agreement, Name and/or I Kane Springs Federal Unit			
1. Type of Well Oil Gas Well Gas				
2. Name of Operator				8. Well Name and No.  Kane Springs Fed. #28-1
Aviara Energy Corporation				
3a. Address		3b. Phone No. (include area	ı code)	9. API Well No. <b>43-019-31325</b>
P.O. Box 1350, Houston TX 77251-13 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		713-871-3400		10. Field and Pool, or Exploratory Area
1900' FSL & 1900' FEL	puoni			Wildcat
NWSE, Sec. 28, T25S, R19E				11. County or Parish, State
				Grand County, UT
12. CHECK APPROPRI	ATE BOX(ES) TO IN	IDICATE NATURE OF NO	OTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION	
X Notice of Intent	Acidize	Deepen	Production	(Start/Resume) Water Shut-Off
	Alter Casing	Fracture Treat	Reclamation	$\equiv$
Subsequent Report	Casing Repair	New Construction	Ħ	
Final Abandonment Notice	Change Plans	Plug and Abandon	Recomplete Temporarily	
That Avaidonnent Police	Convert to Injecti		Water Disp	Status Report
13. Describe Proposed or Commpleted Operation (clear if the proposal is to deepen directionally or recommendation)				
Aviara Energy Corp. requests a well until April 1, 2002.  Aviara would like to maintain possible reentry of this well,	this status whi	le awaiting future	e field devel	lopment leading to
THIS SUNDRY IS BEING RE	TURNED, I	NSUFFICIENT	DATA W	AS SUBMITTED
TO APPROVE THE REQUES				RECEIVED
The well has been nonactive or nonproductive for	or 9.08 years. 1	n accordance with R64	ion of the well's	notice shall be filed in dicating the
not a risk to public health and safety or the envir or require remedial measures to be taken to estal	ronment. Upon recei blish and maintain th	pt of this required infor ne wells integrity.	mation, the Divi	olL, GAS AND MINING
14. I hereby certify that the foregoing is true and correct	19 - 0	Title		
Name (Printed/Typed) Victoria Guidry / withun	/why	Produ	ction/Regula	tory Coordinator
		Date 03/29		501 J 5007 4 1114507
THIS	SPACE FOR FED	ERAL OR STATE OF		
Approved by		Title	Account the state of the same of	Date
Conditions of approval, if any, are attached. Approval of certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations thereon.	those rights in the subj	arrant or office	1/2 0/ CHO	<u> </u>
Title 18 U.S.C. Section 1001, makes it a crime for any fraudulent statements or representations as to any matter within	person knowingly and	willfully to make to any de	partment or agency	of the United States any false, fictitious or

### STATE OF UTAH DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MIN	IING	5. Lease Designation and Serial Number UTU67755X
SUNDRY NOTICES AND REPORTS O	N WELLS	6. Indian, Allottee or Tribe Name:
Do not use this form for proposals to drill new wells, deepen existing wells, or to	reenter plugged and abandoned wells	7. Unit Agreement Name:
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form	n for such purposes	Kane Springs Federal Unit
1. Type of Well: OIL X GAS OTHER:		8. Well Name and Number: Kane Springs Fed.#28-1
2. Name of Operator		9. API Well Number:
Aviara Energy Corporation		43 019 31325
Address and Telephone Number.		10. Field and Pool, or Wildcat W11dcat
P.O. Box 1350. Houston TX 77251-1350	713-871-3400	W T T T T T T T T T T T T T T T T T T T
4. Location of Well		
Footages: 1900' FSL & 1900' FEL		County: Grand
QQ,Sec., T., R., M.: NWSE, Sec. 28, T25S, R19E		State: Utah
11. CHECK APPROPRIATE BOXES TO INDICATE NA	TURE OF NOTICE, REPORT, OR OT	HER DATA
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT F (Submit Original Fo	
Abandon New Construction	Abandon*	New Construction
Repair Casing Pull or Alter Casing	Repair Casing	Pull or Alter Casing
Change of Plans Recomplete	Change of Plans	Perforate
Convert to Injection Perforate	Convert to Injection	Vent or Flare
Fracture Treat or Acidize Vent or Flare	Fracture Treat or Acidize	Water Shut-Off
Multiple Completion Water Shut-Off	X Other Annual Status Report	t 2001 & Integrity Test
X Other Extension of T&A Status		
	Date of work completion	05/29/01
Approximate date work will start	Report results of Multiple Completions and Rec	ompletions to different reservoirs on WELL
	COMPLETION OR RECOMPLETION REPORT AND L	
DECORPE PROPOSED OF COURT TITLE COURT	* Must be accompanied by a cement verification rep	
<ol><li>DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and vertical depths for all markers and zones pertinent to this work.)</li></ol>	give pertinent dates. If well is directionally drilled, giv	re subsurface locations and measured and true
	·	
Aviara Energy Corp. is re-submitting it's request of this well until April 1, 2002. (The original	t for an extension of the tempo	orarily abandon status
•	•	
In accordance with R649-3-36 the results of the vis attached. The well was tested to 960 psi and	well integrity test performed ( held okay for 1 hour.	on May 29, 2001
Aviara would like to maintain this status while a	Waiting future field developme	ent loading to
possible reentry of this well, which would reduce	the impact of further activit	tv in this area.
13. Vict	oria Guidry	
Name & Signature ////////////////////////////////////	uction/Regulatory Coordinator	Date07/19/01
(This space for State use only)  Accepted by the		The second secon
the Division of		
Oil, Gas and Mining	Federal Approval Of 1	
or con (a)	Action Is Necessary	minutes - martinistic and the state and
Date: 9(17/01	<b>*</b>	
	s on Reverse Side) COPY SENT TO O	
STATEXTOCA: 4/1/2002	Initials: CHY	



fested to 960 psi Held OK for 1 hr.



One Riverway, Suite 700 Houston, Texas 77056

July 19, 2001

State of Utah Division of Oil, Gas, and Mining 1594 W. North Temple, Suite 1210 Salt Lake City, UT 84116

Attention:

Mr. John Baza

Reference:

Shut-in/Temporarily Abandoned Wells

Annual Status Update 2001 Re-submitted Request

Dear Mr. Baza:

Enclosed please find a Sundry Notice for several inactive wells operated by Aviara Energy Corporation in Utah. A request to extend the shut-in and temporarily abandoned status of these wells for another year was submitted in late March 2001, however they were returned without approval due to insufficient data.

Aviara is re-submitting these Sundry Notices for approval. Well integrity tests have been run which indicate that the wells are not a risk to public health and safety or the environment as specified in R649-3-36.

I apologize for the delay in forwarding this information; I was out of the office when the test results were received from the field personnel. Please contact me at 713-871-3444 if you require further information.

Sincerely,

Victoria Guidry

Production/Regulatory Coordinator

/vjg

Enclosures

H:\...\docs\utah\001

## NT PETROLEUM (AEC), IN

### 1601 Elm Street, Suite 3400 Dallas, Texas 75201

July 11, 2002

State of Utah Department of Oil, Gas & Minerals 1594 West N. Temple, Suite 1210 Salt Lake City, Utah 84114-5801

Attn: Mr. Jim Hamilton

Re: Travelers Bond No. 103860066

Dear Sir:

This is to advise you that Aviara Energy Corporation has changed its name to Hunt Petroleum (AEC), Inc., effective July 1, 2002. Attached is a Surety Rider to Travelers Bond #103860066 (which replaced CNA Bond No. 159209096) and a copy of the Surety Bond on State of Utah Form 4A currently on file with the State of Utah, Department of Natural Resources.

If you have any questions please give me a call at (214) 880-8916.

Yours very truly,

Mary Melvin Legal Assistant

#### attachments

cc:

Max Gardner (w/enc.)

Donny Worthington (w/enc.) Gerald Phillips (w/enc.)

Receipt acknowledged this ___ day of July 2002.

STATE OF UTAH, Department of Oil, Gas & Minerals

Title: _____

RECEIVED

DIVISION OF OIL, GAS AND MINING



## United States Department of the Interior

#### BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

IN REPLY REFER TO. 3106 (MM)

July 22, 2002

NOTICE

Hunt Petroleum (AEC), Inc. 1601 Elm Street, Suite 3400 Dallas, TX 75201

Oil and Gas

#### Name Change Recognized

Acceptable evidence was filed and accepted by this office concerning the name change of Aviara Energy Corporation to Hunt Petroleum (AEC), Inc. with Hunt Petroleum (AEC), Inc. being the surviving entity. For our purposes, the name change was recognized effective July 1, 2002 the date of acceptance by the Secretary of the State of Delaware.

A rider changing the name of the principal on Nationwide bond number 159209244 (BLM Bond CO-1274) previously held by Aviara and issued by Continental Casualty Company, was changed to Hunt Petroleum (AEC), Inc. effective July 12, 2002.

The oil and gas lease files identified on the enclosed Exhibit A, supplied by Hunt Petroleum (AEC), Inc. were updated to reflect the new name. We have not abstracted the lease files to determine if the entities affected by the name change hold an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Mineral Management Services (MMS) and applicable Bureau of Land Management (BLM) Field Offices of the name change by copy of this notice. If our field offices require additional documentation for changes of operator, they will contact you.

If you identify additional leases where the affected parties maintain an interest, please contact this office and we will document the files under our jurisdiction with a copy of this Notice. If the leases are under the jurisdiction of another State Office, we will notify them.

If you have any questions concerning this correspondence, please call Martha Maxwell at (303)239-3768.

TOR Beverly Derringer

Chief, Fluid Minerals Adjudication

Exhibit A sent to Eastern SO, New Mexico SO, Montana SO, Utah SO, Wyoming SO & MMS-MRM, MS357B1, PO Box 5760, Denver, CO 80217 Decision Letter sent to All State Offices via BLM_Fluids_Forum

## STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES				
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:			
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL OIL WELL GAS WELL OTHER See attachment	8. WELL NAME and NUMBER:			
2. NAME OF OPERATOR: Hunt Petroleum (AEC), Inc.	9. API NUMBER:			
3. ADDRESS OF OPERATOR:  1601 Elm Street STYSuite 3400 Dallas, TXZIF75201  PHONE NUMBER: 214-880-8855	10. FIELD AND POOL, OR WILDCAT:			
4. LOCATION OF WELL  FOOTAGES AT SURFACE:	COUNTY:			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION TYPE OF ACTION				
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION			
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL			
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON			
CHANGE TO PREVIOUS PLANS XXXX OPERATOR CHANGE	TUBING REPAIR			
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE			
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL			
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF			
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:			
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION				
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume Change of company from Aviara Energy Inc. to Hunt Petroleum (A effective July 1, 2002.				

(This space for State use only)

NAME (PLEASE PRINT)

SIGNATURE

**RECEIVED** 

AUG 0 7 2002

DIVISION OF OIL, GAS AND MINING

Agent

DATE August 6, 2002

api	well_name	section	township	range	Il_status_m
4301931310	KANE SPRINGS FED 27-1	27	250S	190E	_ P _
4301931324	KANE SPRINGS FED 19-1A	19	260S	200E	P
4301931325	KANE SPRINGS FED 28-1	28	250S	190E	S
4301931331	KANE SPRINGS FED 10-1	10	250S	180E	Р
4301931332	KANE SPRINGS FED 20-1	20	260S	190E	S
4301931334	KANE SPRINGS FED 25-19-34-1	34	250S	190E	Р
4301931363	CANE CREEK FEDERAL 7-1	07	250S	190E	DRL
4301931364	CANE CREEK FED 11-1	11	260S	190E	DRL
4301931365	CANE CREEK 30-1	30	260S	200E	APD
4301931379	KANE SPRINGS FED 3-1	03	260S	190E	APD
4303730572	GOVT EVELYN CHAMBERS 1	06	310S	240E	S
4303730612	<b>GOVT EVELYN CHAMBERS 2</b>	05	310S	240E	S
4304731768	COWDEN 31-3-C	31	060S	210E	S
4304731769	FEDERAL 33-6-F	33	060S	210E	P
4304731787	FEDERAL 33-8-N	33	060S	210E	P
4304731804	FEDERAL 33-3-J	33	060S	210E	S
4304731844	FEDERAL 33-7-L	33	060S	210E	Р
4301931341	KANE SPRINGS 16-1	16	250S	180E	Α
4304731776	ALTA 5-1-B	05	070S	210E	Р
4304731843	ALTA 5-2-C	05	070S	210E	Р

## **OPERATOR CHANGE WORKSHEET**

ROUTING

1. GLH 2. CDW -

3. FILE

Change of Operator (Well Sold)

The operator of the well(s) listed below has changed, effective:

Designation of Agent

## X Operator Name Change

Merger

07-01-2002

FROM: (Old Operator):		<b>TO:</b> ( New Op				
AVIARA ENERGY CORPORATION	]	HUNT PETRO				
Address: 1601 ELM STREET, STE 3400	1	Address: 1601 ELM STREET, STE 3400				
DALLAC TV 75201	-	DALLAC TOX	75201			
DALLAS, TX 75201 Phone: 1-(214)-880-8850	-	DALLAS, TX Phone: 1-(214)				
Account No. N5500	1	Account No.				
CA NO.		Unit: KANE SPRINGS				
WELL(S)		- CARC	111111111111	101105		
WELL(S)	SEC TWN	API NO	ENTITY	LEASE	WELL	WELL
NAME	RNG		NO	TYPE	TYPE	STATUS
KANE SPRINGS FEDERAL 10-1	10-25S-18E	43-019-31331	11414	FEDERAL		P
KANE SPRINGS FEDERAL 27-1	27-25S-19E	43-019-31310	11180	FEDERAL	ow	P
KANE SPRINGS FEDERAL 28-1	28-25S-19E	43-019-31325	11354	FEDERAL	OW	S
KANE SPRINGS FEDERAL 25-19-34-1		43-019-31334		FEDERAL		P
KANE SPRINGS FEDERAL 20-1		43-019-31332		FEDERAL		S
KANE SPRINGS FEDERAL 19-1A	19-26S-20E	43-019-31324	11353	FEDERAL	ow	P
					<u> </u>	-
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The second secon	<u> </u>		L	1	<u> </u>	1
OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was received	from the <b>FOR</b>	MER operator	on:	07/15/2002	<u>.</u>	
2. (R649-8-10) Sundry or legal documentation was received	from the <b>NEV</b>	V operator on:	08/07/200	2		
3. The new company has been checked through the <b>Departm</b>	nent of Comm	erce, Division	of Corpora	tions Datab	ase on:	08/07/2002
4. Is the new operator registered in the State of Utah:	YES	Business Numl	per:	56883-0143	3	
5. If <b>NO</b> , the operator was contacted contacted on:	N/A	-				
6. (R649-9-2) Waste Management Plan received on:	IN PLACE	-				
6. <b>Federal and Indian Lease Wells:</b> The BLM and or operator change for all wells listed on Federal or Indian		nas approved 07/01/2002	the merge	er, name cl	nange,	

7.	Federal and Indian Units:
	The BLM or BIA has approved the successor of unit operator for wells listed on: 07/01/2002
8.	Federal and Indian Communization Agreements ("CA"):
	The BLM or BIA has approved the operator for all wells listed within a CA on:  N/A
9.	Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Inject,
	for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 07/08/2002
_	ATA ENVEDSA.
ע. 1	Changes entered in the Oil and Cas Patchess and On/07/2002
1.	Changes entered in the Oil and Gas Database on:  08/07/2002
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 08/07/2002
3.	Bond information entered in RBDMS on: N/A
4	For multi- ett al. 1. 1. DDD160
4.	Fee wells attached to bond in RBDMS on:  N/A
SI	CATE WELL(S) BOND VERIFICATION:
1.	State well(s) covered by Bond Number:  N/A
F	EDERAL WELL(S) BOND VERIFICATION:
1.	Federal well(s) covered by Bond Number: CO-1274
IN	DIAN WELL (C) DOND VEDICICATION.
1	DIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:  N/A
1.	Indian well(s) covered by Bond Number:  N/A
FI	EE WELL(S) BOND VERIFICATION:
	(R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number N/A
2.	The FORMER operator has requested a release of liability from their bond on:  N/A
	The Division sent response by letter on:  N/A
<u></u>	EASE INTEREST OWNER NOTIFICATION:
	(R649-2-10) The <b>FORMER</b> operator of the fee wells has been contacted and informed by a letter from the Division
	of their responsibility to notify all interest owners of this change on:  N/A
CC	MMENTS:



## United States Department of the Interior

#### **BUREAU OF LAND MANAGEMENT**

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

IN REPLY REFER TO UT-922

April 28, 2003

Intrepid Oil & Gas, L.L.C. Attn: Jan Podoll 700 17th Street, Suite 1700 Denver, Colorado

Re:

Cane Creek Unit

Grand & San Juan Counties, Utah

#### Gentlemen:

On April 25, 2003, we received an indenture dated April 23,2003, whereby Hunt Petroleum (AEC), Inc. resigned as Unit Operator and Intrepid Oil & Gas, L.L.C. was designated as Successor Unit Operator for the Cane Creek Unit, Grand and San Juan Counties, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 28, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Cane Creek Unit Agreement.

Your statewide (Utah) oil and gas bond No. UTB000029 will be used to cover all operations within the Cane Creek Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

#### Enclosure

bcc:

Field Manager - Moab (w/enclosure)

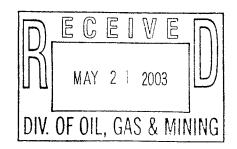
SITLA

Division of Oil, Gas & Mining Minerals Adjudication Group

File - Cane Creek Unit (w/enclosure)

Agr. Sec. Chron Fluid Chron

UT922:TAThompson:tt:4/28/03



## Results of query for MMS Account Number UTU80000

Production	API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/Quarter	Fic
Production	4301931325	PETROLEUM	28-1 KANE SPRINGS	ТА	UTU48351	UTU80000X	<b>25</b> S	19E	28	SWSE	WILE
Production	4301931332	PETROLEUM	20-1 KANE SPRINGS	TA	UTU54037	UTU80000X	26S	19E	20	SESW	BIG I
Production	4301931363	HUNT PETROLEUM (AEC) INC	7-1	OSI	UTU51239	UTU80000X	<b>25</b> S	19E	7	SENW	WILE
Production	4301931364	HUNT PETROLEUM (AEC) INC	11-1	GSI	UTU65972	UTU80000X	<b>26</b> S	19E	11	SENW	UND

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

SUNDRY NOTICES AND REDO not use this form for proposals to drill o	deepen or reentity to a di	EIVED	5. Lease Designation and Serial No.  UTU-50678 U1714835  5. If Indian, Allottee or Tribe Name
Use "APPLICATION FOR PERM	• •	9 A 10: 119	
SUBMIT IN	2003 MAY 2 TRIPLICATE OF T	HE INTERIOR	7. If unit or CA, Agreement Designation
Type of Well     Gas well     Other	MREAU OF	LAND MGMI	Kane Springs Unit 3. Well Name and No.
2. Name of Operator Intrepid Oil & Gas, LLC			Kane Springs Fed #28-1
<ol> <li>Address and Telephone No.</li> <li>700 17th Street, Suite 1700, Denver, CO</li> </ol>	80202 303.296	.3006	43-019-31325  10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1900' FSL, 1900' FEL NWSE Sec 28, T25S-R19E			11. County or Parish, State Grand County, UT
12 CHECK APPROPRIATE BOX(s) TO IN	ICATE NATURE OF NOTION	CE, REPORT, OR OTHE	R DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
X Notice of Intent	Abandonment Recompletion		Change of Plans New Construction
Subsequent Report	Plugging Back		Non-Routine Fracturing
Final Abandonment Notice	Casing repair  Altering Casing		Water Shut-off
I inal Abandonnent Node		of Operator	Conversion to Injection
	A Other Change	or operator	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
Effectively immediately, Intrepid Oil & The following information is relevant  Intrepid Oil & Gas, LLC 700 17th Street, Suite 1700 Denver, CO 80202 Attn: H. Richard Miller 303.296.3003 - Phone 303.298.7502 - Fax  OPERATIONS WILL BE COI			rator for this well.
14. I hereby certify that the foregoing is true and correct Signed H. Richard Miller	Title Special Projects	Manager	Date: <u>April 29, 2003</u>
(This space of Federal or State office use.)  Approved by ACCEPTED  Conditions of approval, if any:	Division of Moab Fie	of Resources Id Office	Date MAY 2 9 2003
Title 18 U.S.C. Section 1001, makes it a crime for any person knowing	to make to any department of the Limited	States any false fictitions as fine 1	at chimments or me
to any matter within its jurisdiction.	*See Instruction on Re		э, эксепень от тергезенционs as
CC MOSM , thent Petrole	M	RECE	IVFD
gentri — • i		JUN 0	

DIV. OF OIL, GAS & MINING

Intrepid Oil and Gas, LLC Well No. 28-1 Sections 28, T. 25 S., R. 19 E. Leases UTU48351 Grand County, Utah

#### **CONDITIONS OF ACCEPTANCE**

Acceptance of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Intrepid Oil and Gas, LLC is considered to be the operator of the above well effective April 28, 2003, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UTB000029 (Principal –Intrepid Oil and Gas, LLC) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable <u>until</u> the provisions of 43CFR 3106.7-2 continuing responsibility are met.

SUNDRY NOTICES AND RE	PORTS ON WELLS RECEIVED	5. Lease Designation and Serial No.
Do not use this form for proposals to drill of Use "APPLICATION FOR PE	r deepen or reentry to a different reservoir. RMIT -" for such proposals	6. If Indian, Allottee or Tribe Name
	2003 MAY 29 △ 10: 149	7. If unit or CA, Agreement Designation
SUBMIT IN T		Kane Springs Federal Unit
1. Type of Well Oil Well Gas well X Other Sa	It Water Injection Well OF LAND MGMT	8. Well Name and No.
2. Name of Operator Hunt Petroleum (AEC), Inc.		Kane Springs Fed. #28-1
3. Address and Telephone No.		43-019-31325
P. O. Box 1350 Houston, Texas 772	251-1350 713-871-3400	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1900' FSL & 1900' FEL		11. County or Porich State
NWSE Sec. 28, T25S, R19E		11. County or Parish, State Grand County, UT
12 CHECK APPROPRIATE BOX(s) TO	INDICATE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing repair	Water Shut-off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	X Other Change of Operator	Dispose Water (Note: Report results of multiple completion on Well
Hunt Petroleum (AEC), Inc., designated and Designation of Successor Unit Ope Intrepid Oil & Gas, LLC will be designat		Resignation of Unit Operator
14. I hereby certify that the foregoing is true and correct Signed Bobby Donohue	Title Landman	Date April 23, 2003
(This space of Federal or State office use.)  Approved by ACCEPTED  Conditions of approval, if any:	Division of Resources Moab Field Office	MAY 2.9
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingl to any matter within its jurisdiction.	y to make to any department of the United States any false, fictitious or fraud	dulent statements or representations as

*See Instruction on Reverse Side

RECEIVED
JUN 0 9 2003

## STATE OF UTAH

	DEPARTMENT OF NATURAL RESOURCES	· Ordin o
	DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
		U-50678
SUNDRY	NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Do not use this form for proposals to drill no drill horizontal la	aw wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged w lerals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	rells, or to Kane Springs Federal Unit
1. TYPE OF WELL OIL WELL		The state of the s
2. NAME OF OPERATOR:		Kane Springs Federal #28-1
	C), Inc.	9. API NUMBER:
3. ADDRESS OF OPERATOR:	PHONE NUMBER:	43-019-31325 10. FIELD AND POOL, OR WILDCAT:
P. O. Box 1350 CITY	Uoughon TV 77051 1740 074	3400 TO MELD AND FOOL, OR WILDCAT:
FOOTAGES AT SURFACE: 1906	)' FSL & 1900' FEL	county: Grand
QTR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN: NWSE 28 25\$ 19E	STATE:
11. CHECK APPE	ROPRIATE BOXES TO INDICATE NATURE OF NOTICE	
TYPE OF SUBMISSION	TYPE OF ACTIO	
NOTICE OF INTENT	ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS PRODUCTION (START/RESUM)	
Date of Work Completion.	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	
	CONVERT WELL TYPE RECOMPLETE - DIFFERENT FO	CRMATION
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pertinent details including dates, dep	
On April 28, 2003, Federal Unit and Ir Concurrent with thi	Hunt Petroleum (AEC), Inc. resigned as ( strepid Oil & Gas, LLC was designated suc s action, Hunt Petroleum (AEC), Inc. res repid Oil & Gas, LLC as successor Operato	Operator of the Kane Springs ccessor Unit Operator.
		•
•		
/	/	
NAME (PLEASE PRINT) Melin	ıda Mayse ınıı Regula	atory Coordinator Agent
SIGNATURE Mele	Manae Jur	ne 24, 2003
	DATE OUT	

(This space for State use only)

RECEIVED JUN 2 5 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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	T.M.	-

Ď:			MINING	6, LEASE DESIGNATION AND DETWO AND
Q ₀	4		•	6, LEASE PRESIDENTION AND SERVAL MUMRER: See List below
):	SUND	RY NOTICES AND REPOR	TS ON WELLS	B. IF INDIAN, ALLOTTEE OR TRIBE NAME
	the control		TIO OIL MEETS	A THE PARTY OF THE PARTY.
	of it horizon	drill now wells, significantly deepen existing wolls belo	W Climent bottom-hole danih zname slummet susta	Y, UNIT OF OA AGREEMENT NAME
1. 1	TYPE OF WELL	THE PERMIT TO DE	w current bottom-hole depth, reembr plupped wells, or to ULL form for even proposate.	
		ELL 🗹 GAS WELL 🔲 OTHE	R	# WELL NAME and NUMBER:
2. N	MANE OF OPERATOR			See List below
111	trepid Oil & Gas, LLC			S. API NUMBER:
70	COMESS OF OPERATOR:		(aya)	See List
	OCATION OF WELL	CITY Denver	717 80202 PHONE NUMBERS (303) 296-3006	19. FIELD AND POOL, OR WILDCATE
			(000) 290-3006	See List below
R	DOTAGES AT BURFACE:		••	
~	TEMPOTO description	•	, · · · · · · · · · · · · · · · · · · ·	соинтя: Grand
-	TRUCTA, SECTION, TOWNSHIP, F	VANGE MERIDIAN:	•	
			• • •	STATE:
	CHECK AP	PROPRIATE BOXES TO INDIC	TE NATI DE OF NOTICE	<b>ОТАН</b>
7	TYPE OF SUBMISSION	The state of the s	ATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
		ACIDIZE	TYPE OF ACTION	
	NOTICE OF INTENT (Submit in Duplosts)		DÉEPEN	REPERFORATE CURRENT FORMATION
	1	ALTER CASING	FRACTURE TREAT	
	Approximate date work will start	CASING REPAIR	NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL
	_	CHANGE TO PREVIOUS PLANS		TEMPORARILY ABANDON
		CHANGE TUBING	OPERATOR CHANGE	TUBING REPAIR
_ <b>_</b>	SUBSECUENT REPORT		PLUG AND ABANDON	VENT OR FLARE
	(dubinit Original Form Only)	CHANGE WELL NAME	PLUGRACK	WATER DISPOSAL
	Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	
		COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	WATER SHUT-OFF
		CONVERT WELL TYPE	THE STREET STREET COURT	OTHER;
12. D	ESCRIPE PROPOSED OF A		RECOMPLETE - DIFFERENT FORMATION POTUPORT details including dates, deptite, volumes	
rane	Springs Federal #19 Springs Federal #25 Springs Federal #25	7 4 LITTLARAMA A		
Kane Cane	Springs Federal #27 Springs Federal #10 Creek #11-1 - UTU- Borings Federal #39	-1 - UTU-47858 - API 43019313 65972 - API 4301931364 - 2220	14 1100 LEF 1000 LOF 7458	-19E -18E
Kane Cane Kane Kane	Springs Federal #27 Springs Federal #10 Creek #11-1 - UTU- Springs Federal #28 Springs Federal #20	P-1 - UTU-47858 - API 43019313 65972 - API 4301931364 - 2220 P-1 - UTU-50678 - API 43013313 P-1 - UTU-54037 - API 43019313	31 - 2333' FSL, 2112' FSL, 27-25S FNL, 2060' FWL, 22-26S-19F	-19E -18E -19E -19E
Kane Cane Kane Kane	Springs Federal #27 Springs Federal #10 Creek #11-1 - UTU- Springs Federal #28 Springs Federal #20	P-1 - UTU-47858 - API 43019313 65972 - API 4301931364 - 2220 P-1 - UTU-50678 - API 43013313 P-1 - UTU-54037 - API 43019313	31 - 2333' FSL, 2112' FEL, 10-25S FNL, 2060' FWL, 22-26S-19E 25 - 1900' FSL, 1900' FEL, 28-25S- 32 - 1000' FSL, 2400' FWL, 20-26S	-19E -18E -19E -19E
Kane Cane Kane Kane Kane	Springs Federal #27 Springs Federal #10 Creek #11-1 - UTU- Springs Federal #28 Springs Federal #20  FASE PRINT H. Richard	P-1 - UTU-47858 - API 43019313 65972 - API 4301931364 - 2220 P-1 - UTU-50678 - API 43013313 P-1 - UTU-54037 - API 43019313	31 - 2333' FSL, 2112' FEL, 10-25S FNL, 2060' FWL, 22-26S-19E 25 - 1900' FSL, 1900' FEL, 28-25S- 32 - 1000' FSL, 2400' FWL, 20-26S	-19E -18E -19E -19E

## **OPERATOR CHANGE WORKSHEET**

R	OUTING
1.	GLH
2	CDW

3. FILE

## X Change of Operator (Well Sold)

5. If NO, the operator was contacted contacted on:

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed belo	ow has char	nged, e	ffective	e:	04/28/20	03		
FROM: (Old Operator):				<b>TO:</b> ( New C	Operator):			
HUNT PETROLEUM CORPORATION				Intrepid Oil &				
1601 Elm Street, Suite 3400				700 17th Stree		)		
Dallas, TX 75201				Denver, CO 8		•		
Phone: 1-(214) 880-8914				Phone: 1-(303				
Account No. N 2180				Account No.				
CA	No.		•	Unit:		ngs & Car	ne Creek	
WELL(S)						8		
	SEC	TWI	V	API NO	ENTITY	LEASE	WELL	WELL
NAME	RNO	G			NO	TYPE	TYPE	STATUS
Kane Springs Unit							-	
KANE SPRINGS FED 27-1	27	250S	190E	4301931310	11180	Federal	OW .	P
KANE SPRINGS FED 19-1A	19	260S	200E	4301931324	11353	Federal	ow	P
KANE SPRINGS FED 28-1	28	250S	190E	4301931325	11354	Federal	ow	S
KANE SPRINGS FED 10-1	10	250S	180E	4301931331	11414	Federal	ow	P
KANE SPRINGS FED 20-1	20	260S	190E	4301931332	11670	Federal	ow	S
KANE SPRINGS FED 25-19-34-1	34	250S	190E	4301931334	11521	Federal	ow	P
Cane Creek Unit	<del></del>							
CANE CREEK FED 11-1	11	2608	190E	4301931364	13477	Federal	ow	P
	- 1	2005	1702	4301731304	13477	Tederar		
		†				<del>                                     </del>		
		<del> </del>			-	†		
							1	
		i				†		
		1	<b></b>		<u> </u>			
OPERATOR CHANGES DOCUENTER date after each listed item is com 1. (R649-8-10) Sundry or legal documents	pleted			the EODME	TD		06/05/00	02
1. (R049-6-10) Suitury of legal docume	manon wa	s recei	ved iro	m the FORIVIE	K operator o	n:	06/25/20	03
2. (R649-8-10) Sundry or legal docume	entation wa	s recei	ved from	m the NEW op	erator on:	06/27/200	03	
3. The new company has been checked	through th	e <b>Dep</b> a	rtmen	t of Commerce	e, Division of	06/30/200		se on:
4. Is the new operator registered in the	State of Ut	ah:	YES	_Business Num	ıber:	2029416-0	<u>16</u> 1	
5 10300 4								

o. (R649-9-2)Waste Management Plan has been received on:	IN PLACE	-		
<ol> <li>Federal and Indian Lease Wells: The BLM and or operator change for all wells listed on Federal or Indian</li> </ol>	or the BIA has an leases on:	pproved BLM	the merger, na 04/28/2003 <u>B</u>	
. Federal and Indian Units:  The BLM or BIA has approved the successor of unit op	perator for wells liste	d on:	04/28/2003	
. Federal and Indian Communization Agreem The BLM or BIA has approved the operator for all well	nents ("CA"): Is listed within a CA	on:	n/a	
<ol> <li>Underground Injection Control ("UIC") Th Inject, for the enhanced/secondary recovery unit/project to</li> </ol>	ne Division has approfor the water disposa	oved UIC I l well(s) li	Form 5, Transfer sted on:	of Authority to
ATA ENTRY:				
Changes entered in the Oil and Gas Database on:	07/16/2003			
Changes have been entered on the Monthly Operator Ch	nange Spread Sheet	on:	07/16/2003	
Bond information entered in RBDMS on:	N/A			
Fee wells attached to bond in RBDMS on:	N/A			
TATE WELL(S) BOND VERIFICATION: State well(s) covered by Bond Number:	N/A			
EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:	UTB000029			
NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:	N/A			
EE WELL(S) BOND VERIFICATION:				
(R649-3-1) The <b>NEW</b> operator of any fee well(s) listed co	overed by Bond Nun	ıber	N/A	
The <b>FORMER</b> operator has requested a release of liability The Division sent response by letter on:	from their bond on: N/A	·	N/A	
<b>EASE INTEREST OWNER NOTIFICATION:</b> (R649-2-10) The <b>FORMER</b> operator of the fee wells has be of their responsibility to notify all interest owners of this characteristics.	een contacted and ir	oformed by N/A	a letter from the	Division
OMMENTS:				
		<del></del>		

.



The Intrepid Companies 700 17th Street, Suite 1700 Denver, CO 80202 303.296.3006 303.298.7502 fax

December 20, 2004

Mr. Dustin Doucet State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1594 W. North Temple, Suite 1210 PO Box 145801 Salt Lake City, UT 84114-5801

RECEIVED

DEC 2 3 2004

DIV. OF UIL, GAS & MINING

Dear Mr. Doucet,

Attached are copies of Abandonment Procedures for 3 of our wells in the Cane Creek Unit. Please return an approved copy in the self addressed stamped envelope upon your approval.

Sincerely,

Richard Miller

Special Projects Manager

## **UNITED STATES**

						TOTAL ALLENOVED ON B	NO. 1004-0137
		MENT OF THE				Expires March 31	1, 2007
		U OF LAND MANA				5. Lease Serial No.	
	SUNDRY NO	TICES AND RE	PORTS ON V	<b>VELLS</b>		UTU-48351	
Do	not use this form	n for proposals to	drill or to re-ent	er an		6. If Indian ,Allottee or Tribe	Name
aba	indoned well. Us	e Form 3160-3 (AP	D) for such prop	oosals		N/A	
1. Type of Well						7. If Unit or CA/Agreement,	Name and/or #
OILWELL [X] GAS WELL []	OTHER					Kane Springs Feder	
2. Name of Operator	Intrepid Oil and	Gas LLC			· · · · · · · · · · · · · · · · · · ·	8. Well Name and No.	ar ome
		······································				Kane Springs Fed 2	8-1
3a. Address	700 17th Street,			3b. Phone No. (includ	de area code)	9. API Well Number	
	Denver CO 8020	_		303-298-1951		43-019-31325	
4. Location of Well (Footage, Sec., T., R., I						10. Field & Pool, or Explorat	ory Area
/ 900 <del>800'</del> FSL & 191 /900	6' FEL of Section	28, T25S, R19E				Wildcat	o.,,ou
//*						11. County or Parish, State	
40 011	FOLL ADDRESS.					Grand County, UT	
TVDE OF GURMAGIAN	ECK APPROPRIA	TE BOX(ES) TO IN	DICATE NATURI	E OF NOTICE, R	EPORT, OR OTH	ER DATA	
TYPE OF SUBMISSION	TYPE OF ACTIO	V					
	[ ] Acidize	[] Deepen	[] Production (Start/	Resume)	[] Water Shut-Off		
[X] Notice of Intent	[ ] Alter Casing	[ ] Fracture Treat	[] Reclamation		[ ] Well Integrity		
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[] Recomplete		[ ] Other		
[ ] Final Abandonment Notice	[ ] Change Plans	[X] Plug and Abandon	[ ] Temporarily Abar	don			
	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal				
				•	<del></del>	· · · · · · · · · · · · · · · · · · ·	
3. Describe Proposed or Completed Opera	ation (clearly state all per	tinent details, including e	stimated starting date	of any proposed work	and approximate durat	on thereof	
if the Proposal is to deepen directionally	or recomplete horizontal	ly, give subsurface location	ons and measured and	true vertical depths of	f all pertinent markers a	and zones	
Attach the Bond under which the work w	vill be performed or provi	de the Bond No. onfile wi	ith the BLM/BIA. Reau	ired subsequent reno	ts shall be filed within 3	A dave	
following completion of the involved as a					J DO MOG WIGHT S	o days	

following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Request permission to Abandon the above well per the attached procedure

RECEIVED DEC 2 3 2004

DIV. OF OIL GAS & MINING

A CONTROL CONT	J. J. OIL, GAS & MINNING
14. I hereby certify that the foregoing is true and correct  Name ( <i>Printed/Typed</i> ) Richard Miller	Title Spee Proi Mas
signature Fichard Miller	Date 12 20 04
THIS SPACE FOR FE	Title Utah Division of Oil, Gas and Mining
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Date: 12/28/04 Action is Necessary
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person or fraudulent statements or representations as to any matter within its jurisdiction.	n knowlingly and wife Who make to any department or agency of the United States any false, fictitous

## **PLUG & ABANDONMENT PROCEDURE**

December 20, 2004

### Kane Springs Federal #28-1

Wildcat 1900' FSL, 1900' FEL, Section 28, T-25-S, R-19-E Grand County, Utah

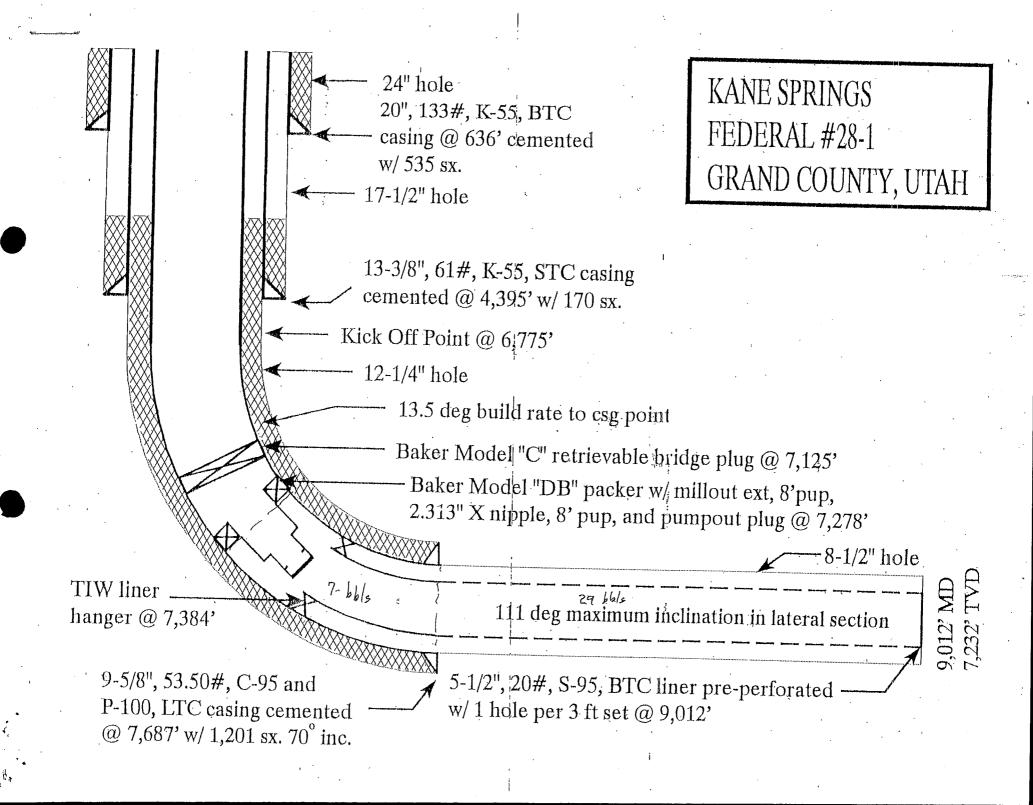
Note: All cement volumes use 10% excess per 1000' of depth, both inside and outside; or use 100% excess outside casing, 50' excess inside casing and 50' excess for a casing annulus, whichever is greater. The stabilizing wellbore fluid will be at least 9.5 ppg brine.

All cement is Class B, mixed at 15.6ppg with a 1.18 cf/sx yield for plugs below 6000' and ASTM Type III, mixed at 14.8ppg with 1.32 cf/sx yield for plugs above 6000'.

- 1. Prepare location for rig and other equipment. Access to location will need dirt work prior to rig arrival. Dig a small earthen pit for well returns and cement wash up. Test anchors.
- 2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP. Comply with all UDOGM, BLM, and Intrepid safety rules and regulations.
- 3. PU on tubing and release seal assembly from Model DB packer at 7278'. TOH and visually inspect 2-7/8" tubing, LD packer. If necessary LD tubing and PU a workstring.
- 4. Round trip a 9-5/8" 53.5# casing scraper to 7265' or as deep as possible.
- 5. Plug #1 (5-1/2" Liner top and 9-5/8 Casing shoe: 7737'- 7150'): TIH with tubing and set a 9-5/8" CR retainer at 7250' above packer. Pressure test tubing to 1500#. Load casing with brine and circulate well clean. Pressure test casing to 1000#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix and pump 193 sxs Class B cement, squeeze 160 sxs below the CR to cover the liner top and 9-5/8" casing shoe, then spot 33 sxs above the CR. TOH with tubing.
- 6. Plug #2 (9 5/8" Casing isolation plug: 5000' 4900'): Mix 30 sxs Type III cement and spot balanced plug inside casing to isolate this interval. POH with tubing.
- 7. If it is determined economic and feasible to recover some of the 9-5/8" casing then do the following: perforate the 9-5/8" casing at the appropriate depth (to be determined by availability of casing jacks and or the hoist capacity of the rig). Establish circulation to surface out the 9-5/8" X13-5/8" annulus with water to surface; circulate clean. ND the BOP and weld a 9-5/8" slip-on collar onto the casing stub. Cut the 9-5/8" casing at the depth perforated. Pull and LD as much 9-5/8" casing as possible.
- 8. Plug #3 (9-5/8" Casing stub: depth to be determined): TIH with tubing to 50' below the 9-5/8" casing stub. Mix 100 sxs Type III cement and spot balanced plug inside the 13-3/8" casing to cover the 9-5/8" casing stub. TOH with tubing. This plug (or a separate plug) will be placed to cover 50' above and below the 13 3/8" shoe at 4395'.
- 9. Plug #4 (20" casing shoe, 686' 586'): Perforate 6 squeeze holes through the 9-5/8" (if present) and 13-3/8" casing(s). Establish circulation to surface out the bradenhead and intermediate casings.

TIH with tubing to 636'. Mix and spot 114 sxs Type III cement, pull up with tubing and then squeeze 39 sxs outside 13-3/8"  $\times$  20" casing, 30 sxs outside 9-5/8"  $\times$  13-3/8" casing and leave 45 sxs inside 9-5/8" casing to cover the 20" casing shoe. TOH and LD remaining tubing.

- 10. Plug #5 (Surface; 100'- Surface): Perforate 6 squeeze holes through the 9-5/8" and 13-3/8" casings. Establish circulation to surface out the bradenhead and casing valves. Mix and pump approximately 150 sxs Type III cement down the 9-5/8" casing to circulate good cement out the bradenhead and annuli. WOC.
- 11. Cut off surface and production casing below ground level. Fill well with cement as necessary and install ¼ "steel plate with a weep hole. Attach dry hole marker and fill cellar. RD, MOL, and restore location per BLM requirements.



## STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

#### **ENTITY ACTION FORM**

Operator:

Intrepid Oil & Gas LLC

Operator Account Number: N 6810

Address:

700 17th St, Suite 1700

city Denver

state CO

zip 80202

Phone Number: (303) 296-3006

#### Well 1

API Number	Well	Name	QQ Sec Twp			Rng County			
4301931324	Kane Springs Fed 19	Springs Fed 19-1A			- <del>20</del> <b>6</b> -	20E	Grand		
Action Code	Current Entity Number	New Entity Number	s	Spud Date 205		L.	Entity Assignment Effective Date		
D	11353	14507					1/18/2005		

**Comments:** 

Correction requested by operator due to unit change. Please correct reports effective 5/18/2004.

#### Well 2

API Number	Well N	QQ Sec Twp			Rng County		
<b>4301</b> 931325	Kane Springs Fed 28-1		NWSE	28	258	19 <b>E</b>	Grand
Action Code	Current Entity Number	New Entity Number	s	pud Da	te	Entity Assignm Effective Dat	
D	11354	14508					1/18/2005

Correction requested by operator due to unit change. Please correct reports effective 5/18/2004.

#### Well 3

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4301931331	Kane Springs Fed 10	NWSE	10	258	18E	Grand	
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
D	11414	14509					1/18/2005

Correction requested by operator due to unit change. Please correct reports effective 5/18/2004.

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Earlene Russell For DOGM

Name (Please Print)-

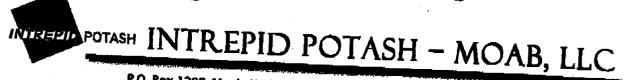
Signature

**Engineering Tech** 

1/18/2005

Title

Date



P.O. Box 1208, Moab, Utah 84532 · Office 435-259-7171 · FAX 435-259-7100

## FAX COVER SHEET

Attention:	Do	stin Po.	ver From:	ichard Mille
Company:	Dog	5-M	Date: 1	10/25
Fax # 8	01-350	1-3940	Page 1 of	16.
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	<u>ell</u> 3	103-881-	5440	
-	richa	rd , miller	· @intre	pid potach, con
		•		
		:		
				RECEIVED
				APR 1 3 2005
				DIV. OF OIL, GAS & MINING

## CONFIDENTIALITY CAUTION

This message is intended only for the use of the individual or entity to which it is addressed and centains information that is privileged and confidential. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address at our cost.

DEPARTMENT OF THE INTERIOR  BURBAU OF LADA MANAGEMENT  SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drift or to re-enfor an ebendoned well. Use Form 3160-3 (APD) for such proposals  1. Type or twell  SUMMENT OF THE INTERIOR  Behavior of the Proposal of the			UNITED STAT						
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or for re-enfer an ebendoned well. Use Form 3196-3 (APD) for such proposals  1. Type of Walf  1. Type of Walf  OLIVERY OF WALL (I) OTHER  2. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Gas LLC  3. Anser of Operator  Intrapid off and Operator  Intrapid off and Gas LLC  Interest of Interest Intrapid off and Gas LLC  Interest Inte							1 "		
Bo not use this form for proposals to drift or to re-enter an abendoned well. Use Form 3180-3 (APD) for such proposals  1. Type of Well  2. Name of Operator  Intrepid Oil and Gas LLC  3. Address  Too 17th Street, Sulte 1700  Deriver CO 80202  3. Address  Too 17th Street, Sulte 1700  Deriver CO 80202  4. Location of Well (Pacage, Sec., T. A. M. or Survey Description)  800* FSL & 1919* FEL of Section 28, T2SS, R19E  12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE Of NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  [1] Address  [1] Production (StaffRecursis)  [1] Abendone 1] Production (StaffRecursis)  [2] Pinal Abandonment Notice  [3] Subsequent Report  [4] Clading repair  [5] I Clading repair  [6] I Clading repair  [7] Pinal Abandonment Notice  [8] I Clading repair  [9] Pinal Abandonment Notice  [10] Comment in liquid in production (1) Pinal Back  [11] Clading repair  [12] Clading repair  [13] Clading repair  [14] Notice of Intent  [15] Subsequent Report  [16] I Clading repair  [17] Pinal Abandonment Notice  [18] I Clading repair  [19] Pinal Abandonment Notice  [19] Pinal Abandonment Notice  [10] Comment in liquid in production of the involved operations, if the operation results in a multiple composition in a new intervent appears and subsequent reports abait to site of many proposed work and approximate churchs the work of adaption of the involved operations. If the operation results in a multiple composition in a new intervent appears and somes.  Adapth the Bond under which the work will be partitured or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecaded or provide the Bond the Center Will be apprecade		BUREA SINDOV NO	U OF LAND MAN	AGEMENT			5. L <b>eas</b>		,,
1. Type of Wall ORLWELL (X) OR		o not use this form	TIGES AND R	EPORTS ON	WELLS	<del></del>			
Content (X) and well (I) Other Contents (Intropid Oil and Gas LLC (Intropid Oil And Intropid Oil An	eb	endoned well. Use	e Form 3160-3 (A.	o anu or to re-en PD) for such ass	iter en		6. If Ind		be Name
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Se. Address  TOD 17th Street, Suite 1700 Denver CO 80202  A. Location of Wall (Pochage, Sea, T. P., M., or Survey Description)  B00° FSL & 1918° FEL of Section 28, T26S, R19E  10. Read a Pool, or Exploratory Area Wildcat 11. County or Parists, State Grand County, UT  TYPE OF SUBMISSION TYPE OF ACTION    J. Address   J. Address   J. Production (Sant/Recurre)   J. Water Structory   J. Address				i .					
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DIV. OF OIL, GAS & MINING

Notice of Intent to Abandon Intrepid Oil and Gas, LLC Kane Springs Federal #28-1 Lease U-48351 Section 28, T25S, R19E Grand County, Utah

#### CONDITIONS OF APPROVAL

- 1. Notify Jack Johnson (435-259-2129) of the BLM Moab Field Office at least 24-hours prior to starting plugging operations.
- 2. The cement volume for the plug at 4900-5000 feet shall be increased to 45 sacks to achieve the minimum 150 feet of plug length (100 feet + 10% per 1000 feet of depth).
- 3. An additional plug <u>may</u> be necessary across, or immediately above, the top of the Paradox salt at 3985 feet. If the 9-5/8 inch casing is pulled, and the stub plug is above 3985 feet, no additional plug is necessary.
- 4. Should you have any questions regarding this approval, please call Eric Jones (435-259-2117) of the BLM Moab Field Office.
- 5. Any questions regarding surface reclamation may be directed to Rich McClure (435-259-2127) of the BLM Moab Field Office.
- 6. Within 30-days of plugging the well, submit a subsequent report of abandonment on a sundry notice (Form 3160-5). The report should describe all work that was done, including cement volumes, plug depth, etc.

#### **PLUG & ABANDONMENT PROCEDURE**

December 20, 2004

Kane Springs Federal #28-1 Wildcat

1900' FSL, 1900' FEL, Section 28, T-25-S, R-19-E Grand County, Utah

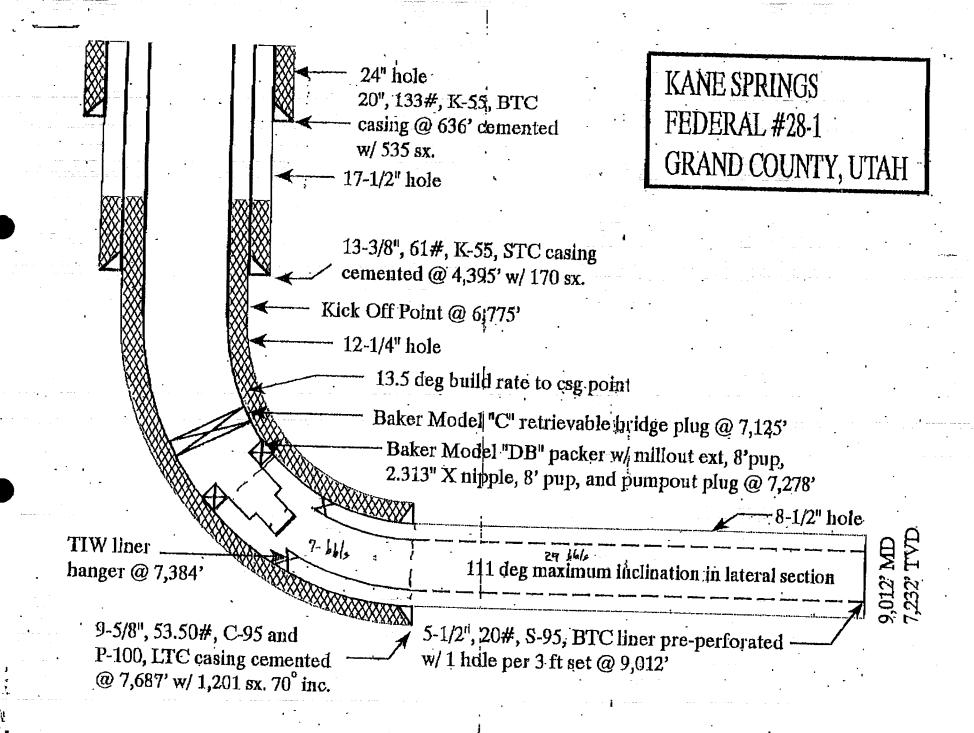
Note: All cement volumes use 10% excess per 1000' of depth, both inside and outside; or use 100% excess outside casing, 50' excess inside casing and 50' excess for a casing annulus, whichever is greater. The stabilizing wellbore fluid will be at least 9.5 ppg brine.

All cement is Class B, mixed at 15.6ppg with a 1.18 cf/sx yield for plugs below 6000' and ASTM Type III, mixed at 14.8ppg with 1.32 cf/sx yield for plugs above 6000'.

- 1. Prepare location for rig and other equipment. Access to location will need dirt work prior to rig arrival. Dig a small earthen pit for well returns and cement wash up. Test anchors.
- MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP. Comply with all UDOGM, BLM, and intrepid safety rules and regulations.
- 3. PU on tubing and release seal assembly from Model DB packer at 7278'. TOH and visually inspect 2-7/8" tubing, LD packer. If necessary LD tubing and PU a workstring.
- 4. Round trip a 9-5/8" 53.5# casing scraper to 7265' or as deep as possible.
- 5. Plug #1 (5-1/2" Liner top and 9-5/8 Casing shoe: 7737'- 7150'): TIH with tubing and set a 9-5/8" CR retainer at 7250' above packer. Pressure test tubing to 1500#. Load casing with brine and circulate well clean. Pressure test casing to 1000#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix and pump 193 sxs Class B cement, squeeze 160 sxs below the CR to cover the liner top and 9-5/8" casing shoe, then spot 33 sxs above the CR. TOH with tubing.
- 6. Plug #2 (9 5/8" Casing isolation plug: 5000' 4900'): Mix 30 sxs Type III cement and spot balanced plug inside casing to isolate this interval. POH with tubing.
- 7. If it is determined economic and feasible to recover some of the 9-5/8" casing then do the following: perforate the 9-5/8" casing at the appropriate depth (to be determined by availability of casing jacks and or the hoist capacity of the rig). Establish circulation to surface out the 9-5/8" X13-5/8" annulus with water to surface; circulate clean. ND the BOP and weld a 9-5/8" slip-on collar onto the casing stub. Cut the 9-5/8" casing at the depth perforated. Pull and LD as much 9-5/8" casing as possible.
- 8. Plug #3 (9-5/8" Casing stub: depth to be determined): TiH with tubing to 50' below the 9-5/8" casing stub. Mix 100 sxs Type III cement and spot balanced plug inside the 13-3/8" casing to cover the 9-5/8" casing stub. TOH with tubing. This plug (or a separate plug) will be placed to cover 50' above and below the 13 3/8" shoe at 4395'.
- 9. Plug #4 (20" casing shoe, 686' 586'): Perforate 6 squeeze holes through the 9-5/8" (if present) and 13-3/8" casing(s). Establish circulation to surface out the bradenhead and intermediate casings.

TIH with tubing to 636'. Mix and spot 114 sxs Type III cement, pull up with tubing and then squeeze 39 sxs outside 13-3/8" x 20" casing, 30 sxs outside 9-5/8" x 13-3/8" casing and leave 45 sxs inside 9-5/8" casing to cover the 20" casing shoe. TOH and LD remaining tubing.

- 10. Plug #5 (Surface; 100'- Surface): Perforate 6 squeeze holes through the 9-5/8" and 13-3/8" casings. Establish circulation to surface out the bradenhead and casing valves. Mix and pump approximately 150 sxs Type III cement down the 9-5/8" casing to circulate good cement out the bradenhead and annuli. WOC.
- 11. Cut off surface and production casing below ground level. Fill well with cement as necessary and install ¼ "steel plate with a weep hole. Attach dry hole marker and fill cellar. RD, MOL, and restore location per BLM requirements.



submitted in lieu of Form 3160-5

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

$\mathbb{C}\mathbb{O}$	PY
Well	file

_		5.	Lease Number UTU67755X
1.	Type of Well	6.	If Indian, All. or Tribe Name
	Oil Well	7.	Unit Agreement Name
2.	Name of Operator		Kane Springs Federal Unit
	Intrepid Oil & Gas LLC	8.	Well Name & Number
3.	Address & Phone No. of Operator 700 17 th Street, Suite 1700, Denver, Colorado, 80202	9.	Kane Springs Fed 28-1 <b>API Well No.</b> 43-019-31325
<del>4</del> .	Location of Well, Footage, Sec., T, R, M	. 10.	Field and Pool Wildcat
	1900' FSL and 1900' FEL, Section 28, T-25-S, R-19-E	11.	County & State Grand County, Utah
12	. CHECK APPROPRIATE BOX TO INDICATE NATURE OF N	OTICE, REPORT, OTHER D.	ATA
	Type of Submission  Notice of Intent  Recompletion  Type of Action  X Abandonment  Recompletion	Change of Plans New Construction	
	X Subsequent Report Plugging Back Casing Repair	Non-Routine Fracturing Water Shut off	
	Final Abandonment Altering Casing Other -	Conversion to Injection	
13	B. Describe Proposed or Completed Operations		
			•
T	nis well was plugged and abandoned on May 12, 2005 pe	er the attached report.	
1	4. I hereby certify that the foregoing is true and correct.	lichard Miller	Intrepid
S	IGNATURE Willin to Contractor	May 13, 2	2005
	William F. Clark		
(	This space for Federal or State Office use) PPROVED BY Title		_ Date
C	ONDITION OF APPROVAL, if any:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499 505-325-2627 * fax: 505-325-1211

Intrepid Oil and Gas LLC Kane Springs Fed #28-1

May 16, 2005 Page 1 of 3

1900' FSL & 1900' FEL, Section 28, T-25-S, R-19-E Grand County, UT API #43-019-31325

Plug & Abandonment Report

### **Work Summary:**

Notified BLM on 4-15-05

- 4/26/05 MOL and RU rig. Set 8' culvert into cellar and fill around it with dirt. Lay relief lines to pit. Load tubing with 1 bbl of water, pressured up to 2000#. ND wellhead. NU spool and 11" BOP. Pull seal assembly out of packer. Casing started flowing to steel pit; a ½" stream of water at 0#. Shut in well.
- 4/27/05 Well pressures: 50# casing. Hook up hot oil unit. Attempt to pump down the tubing, pressure up to 5000#. Unable to circulate down tubing. Start to TOH with tubing. At 3800' out, tubing unloaded. Installed TIW valve and bleed pressure off to pit. Continue to TOH with total of 221 joints 2.875" tubing. LD packer seal assembly. RU wireline unit and round trip a 7" gauge ring to 6725'. RIH and set 9.625" PlugWell CR at 6725'. TIH with CR stinger and 215 joints of tubing. Load casing with 560 bbls of water and pressure test to 1000#, held OK. Establish rate below CR 1 bpm at 2000#. Plug #1 with CR at 6725', spot 70 sxs Class B cement (83 cf) inside casing above CR up to 6568' to isolate the 5.5" liner top and the 9.625" casing shoe. Procedure change approved by Jack Johnson, BLM (no cement below CR). PUH to 4575'. Shut in well.
- 4/28/05 Well pressures: 0#. TIH with tubing to 5000'. Found tubing plugged. TOH with tubing and LD stinger. TIH with tubing to 5014'. Load casing with 200 bbls of water and circulate well clean.

**Plug #2** with 58 sxs Class B cement (68 cf) inside casing from 5014' up to 4850' to seal the 9.625" casing.

TOH with tubing.

Procedure change not to set plug #3 at the 13.375" shoe approved by BLM.

Perforate 3 holes in the 9.625" casing at 4624'.

Attempt to establish circulation to surface, pressured up to 2000#.

Perforate 3 holes at 4455'. Pump 400 bbls of water down the casing to circulate out the 9.625" x 13.375" intermediate casing annulus valve (IM). Shut in well.

4/29/05 Standby. Casing jacks not available.

5/2/05 Standby. Casing jacks not available.

## A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499 505-325-2627 * fax: 505-325-1211

Intrepid Oil and Gas LLC Kane Springs Fed #28-1

May 16, 2005 Page 2 of 3

### **Work Summary - Continued:**

- 5/3/05 Well pressures: 0#. ND 11" BOP. ND 9.625" tubing head. Weld an 8' extension onto the 9.625" as a pull sub. RIH with A-Plus wireline and jet cut 9.625" casing at 4456'; jet cut again at 2970'; and shoot a collar buster at 1485'. RD wireline. RU casing handling tools and tongs. Pull on casing. Unable to pull slips out of casing head spool. ND 13.375" casing head and pull 9.625" casing up 4". NU casing head. Wrap wellhead with prima cord. Pull on casing to 125,000#. Shoot prima cord. Slips stuck. ND 13.375" casing head. Pull 1 joint, 9.625" casing and wellheads. Cut off wellhead bolts and strip off 13.375" casing head. RIH with joint 9.625" casing and flange up well heads. Shut in well.
- 5/4/05 Well pressures: 0#. Pull 1 joint, 9.625" casing and well heads. LD casing and wellheads. RU casing equipment and lay down line. LD 34 joints 9.625" casing. RD casing equipment. PU spear and jars. TIH with 26 joints tubing. Unable to catch pipe (wrong size grapple). TOH with spear. Shut in well.
- 5/5/05 Well pressures: 0#. PU bumper sub, jars and spear. TlH with 46 joints tubing. Catch 9.625" casing. PUH with tubing. RU casing handling tools. LD 20 joints 9.625" casing. Tongs broke. Continue to pull 15 joints casing. Cut casing pins above boxes with torch. Shut in well.
- 5/6/05 Well pressures: 0#. PU spear. TIH with 94 joints tubing. Latch onto casing. Casing stuck. Jar on casing till free. TOH with tubing. LD spear and BHA. RU casing equipment. LD 34 joints 9.625" casing. Cut each joint with torch. NU casing head and 11" BOP. Shut in well.
- 5/9/05 Well pressures: 0#. TIH with 141 joints tubing and tag cement at 4419'. Load casing with 120 bbls of water. Procedure change approved by Eric Jones, BLM.

  Plug #3 with 109 sxs Class B cement (129 cf) inside the 13.375 casing from 4418' to 4268' to cover the 9.625" casing stub.
  - PUH and WOC. TIH with tubing and tag cement at 4137'. PUH to 3698'. Load casing with 7 bbls of water.

**Plug #4** with 97 sxs Class B cement (114 cf) inside the casing from 3698' up to 3548' to cover the salt zone. Plug depth determined by Eric Jones with BLM. PUH to 627'. Shut in well.

## A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499 505-325-2627 * fax: 505-325-1211

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### **Work Summary - Continued:**

5/10/05 Well pressures: 0#. Perforate 3 holes at 686'. Attempt to establish circulation out of the bradenhead. Pump 220 bbls of water down the 13.375" casing at 2 bpm at 750# with no circulation or blow out the bradenhead (on a vacuum). TIH with tubing to 627'. Mix and pump LCM down tubing. Wait for LCM to cure. Load casing with 7 bbls of water.

Plug #5 with 315 sxs Class B cement (372 cf) inside the 13.375" casing from 627' up to 309' to cover the 20" casing shoe. Procedure change approved by BLM. TOH and LD all tubing. Load casing with 3 bbls of water. Displace cement, leave 109 sxs inside the 13.375" casing and squeeze 206 sxs outside the casing. Shut in well.

5/11/05 Well pressures: 0#. TIH with tubing and tag cement inside 13.375" casing at 550'. Load casing with 9 bbls of water. Pressure test casing to 1000#, held OK. TOH and LD all tubing. Perforate 6 holes at 100'. Attempt to establish circulation out the bradenhead with 70 bbls of water. Establish rate 2 bpm at 750# with no circulation out the bradenhead valve. Mix and pump 60 sxs LCM down bradenhead. Displace to 100'. Wait on LCM to cure. Attempt to establish circulation out the bradenhead with 120 bbls of water. Establish rate 2 bpm at 750#. No circulation. Load casing with 3 bbls of water.

Plug #6 with 204 sxs Class B cement (241 cf) pumped down the bradenhead annulus, displace down to 100'. Shut in well.

5/12/05 Well pressures: 0#. TIH with 4 joints tubing to 105'. No cement. TOH and LD tubing. Load casing with 8 bbls of water. Attempt to establish circulation out the bradenhead with 80 bbls of water; pumping 2 bpm at 750#. With no circulation or blow on the bradenhead. Mix and pump 8 sxs benonite gel and 2 sxs paper down bradenhead. Displace to 100'. Wait for LCM to cure. Load casing with 15 bbls of water.

Plug #7 with 160 sxs Type II cement (188 cf) pumped down the bradenhead. Displace to 3 bbls of water. Wait one hour. Displace cement to 109'. Establish circulation out the bradenhead with 20 bbls of water.

Plug #8 with 185 sxs Type II cement (218 cf) pumped inside casing from 100' to surface, circulate good cement out the bradenhead.

ND BOP. Dig out and cut off wellhead. Found cement at the surface. RD & MOL.

Charlie Harrison, Intrepid, was on location.

Jack Johnson, BLM, was on location.